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# NAVAL POSTGRADUATE SCHOOL

## Monterey, California

# HYDROGRAPHIC DATA FROM THE PILOT STUDY OF THE COASTAL TRANSITION ZONE (CTZ) PROGRAM 15 - 28 JUNE 1987

by

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STRACT (Continue on reverse if necessary and identify by block number)

This is a data report which presents hydrographic (CTD) data from a cruise off Point a, CA during 15-28 June 1987. The study area was between 37°40'N to 39°20'N and 123°30'W 25 30'W. The sampling plan criss-crossed a cold filament rooted near Point Arena, as rved using satellite AVHRR Sea Surface Temperature imagery. A total of 122 CTD casts to m and 30 XBT drops to 750 m were made. The data are presented as individual vertical iles, vertical sections, and property distributions on horizontal surfaces. The data were ected as part of the ONR Coastal Transition Zone program to study cold filaments, squirts, , and mesoscale eddies in the region.

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# Hydrographic Data from the Coastal Transition Zone (CTZ) Program

15 - 28 June, 1987

by

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## INTRODUCTION

The data included in this report were collected as part of the Office of Naval Research (ONR) Coastal Transition Zone project during June 15-28, 1987. The study area encompassed the region from just north of Pt. Arena, California south to about 37° 40.00′ N. from the coast to approximately 120 nm offshore. The purpose of this cruise was to create a quasi-synoptic 3-dimensional map of the hydrographic structure and velocity fields in a cold filament off the coast of California. Prior to the cruise satellite imagery of the sea-surface temperature along the northern coast of California was studied to find a suitable cold filament for mapping during the cruise. A strong feature was clearly seen in the NOAA-9 AVHRR image for June 11, 1987 whose source waters appeared to be located just north of Pt. Arena. This feature was chosen for study. The feature was tracked during the cruise using satellite AVHRR sea-surface temperature imagery and surface gradients of temperature and salinity from continuous underway sensors (discussed in the next section). The imagery was sent to the ship in near real time via weather fax by cooperating investigators at the Scripps Institution of Oceanography. A total of 120 CTD casts to a maximum of 500 m depth and 30 XBT drops to a maximum depth 750 m were made.

The cruise was divided into three parts: Part I (CTD stations 1 - 54 and XBT drop 426) ended when the first filament could no longer be followed non-ambiguously; part II (CTD stations 55 - 78 and XBT drops 479 - 493) was ended by inclement weather; and part III (CTD stations 79 - 115) ended when the available cruise time expired.

The R/V POINT SUR departed from Moss Landing, California on the morning of June 15, 1987 and arrived on station 1 at 0900 UT of June 16 (Fig. 1) to begin hydrographic mapping of the filament. Following the completion of CTD station

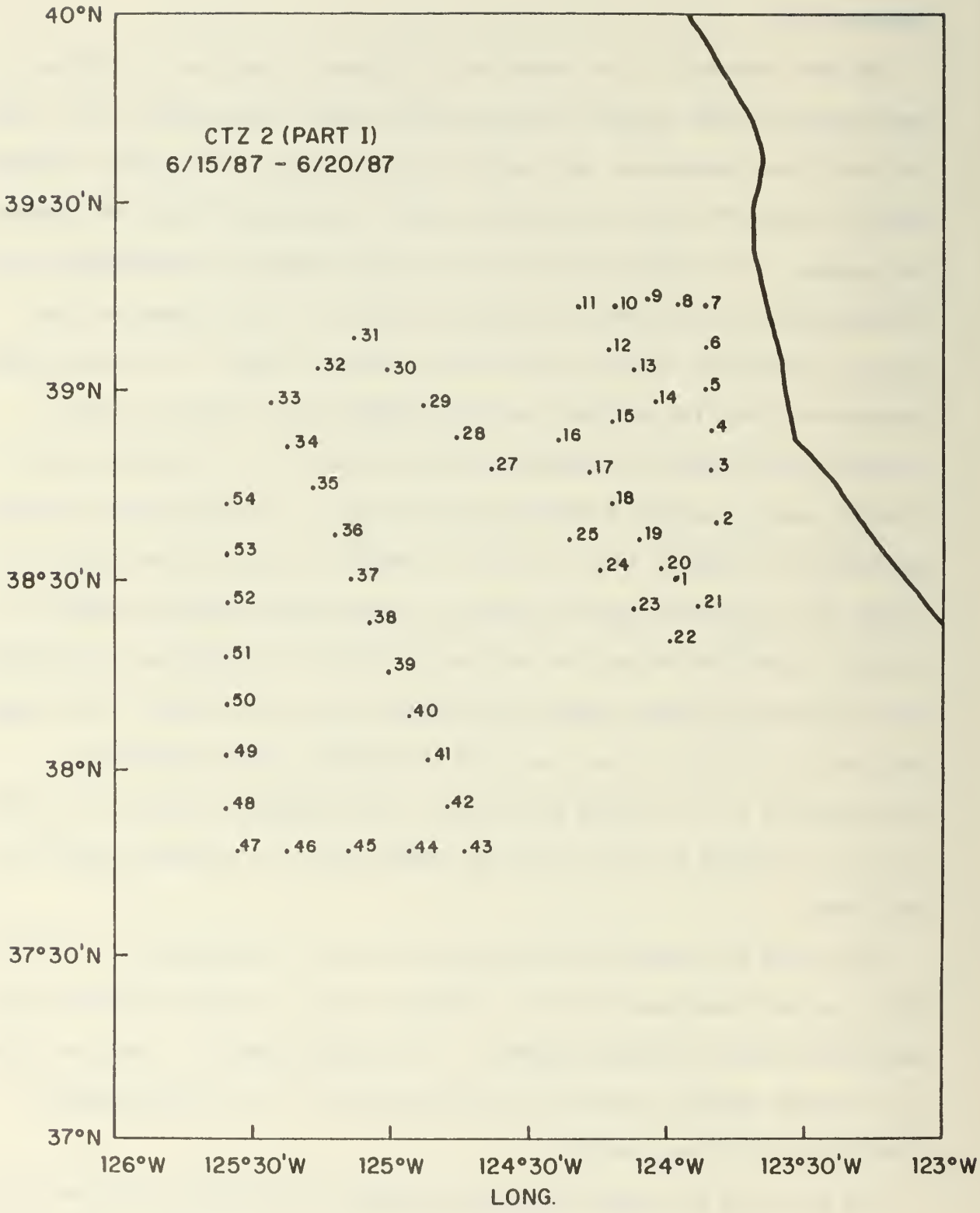



Figure 1. CTD station numbers and locations for part I of the Coastal Transition Zone (CTZ2) filament study during June 15-20, 1987 aboard the R/V POINT SUR.

1 the ship proceeded inshore slightly and a section of CTD casts was made heading to the north (stations 2-7, Fig. 1), west (stations 8-11, Fig. 1), and then back south in a zigzag fashion (stations 12-21, Fig. 1) through the "root" of the filament.

Following the completion of CTD station 21 on June 17 at 1515 UT the ship steamed to 38° 34.27′ N, 124° 03.53′ W. (near station 19, Fig. 1) and deployed a group of 9 satellite tracked drifters within the filament. Eight of these drifters were expendable and one, to be recovered, was instrumented with an MER optical sensor, a Codispoti Nutrient Sampler, and a thermistor chain with an Aanderaa recorder. The drifter deployment required about 8 hours whereupon hydrographic operations resumed with a CTD cast at station 22 (Fig 1) at 0130 UT on June 18.

A section of CTD casts was then started across the filament at stations 23-25 (Fig. 1). Due to increasing seas an XBT drop (station 426, Fig. 2) was made following station 25 rather than a CTD cast. Weather then improved slightly and CTD casts were resumed at stations 27-31 (Fig. 1) completing station 31 at 1855 UT on June 18. The ship then proceeded slightly further offshore completing a CTD cast at station 32 (Fig. 1) before beginning another section of CTDs south through the filament (stations 33-43, Fig. 1). The last cast of this section (station 43) was completed at 1225 UT on June 19. The ship next turned directly west and hydrographic work continued with CTD casts at stations 44-47 (Fig. 1) completing station 47 at about 1915 UT on June 19.

Another cut was made north through the filament with CTD casts made at stations 48-54 (Fig. 1) completing the last of these at 0700 UT on June 20. During this final cut through the filament gradients of surface salinity and temperature from the continuous underway sensors were becoming very weak

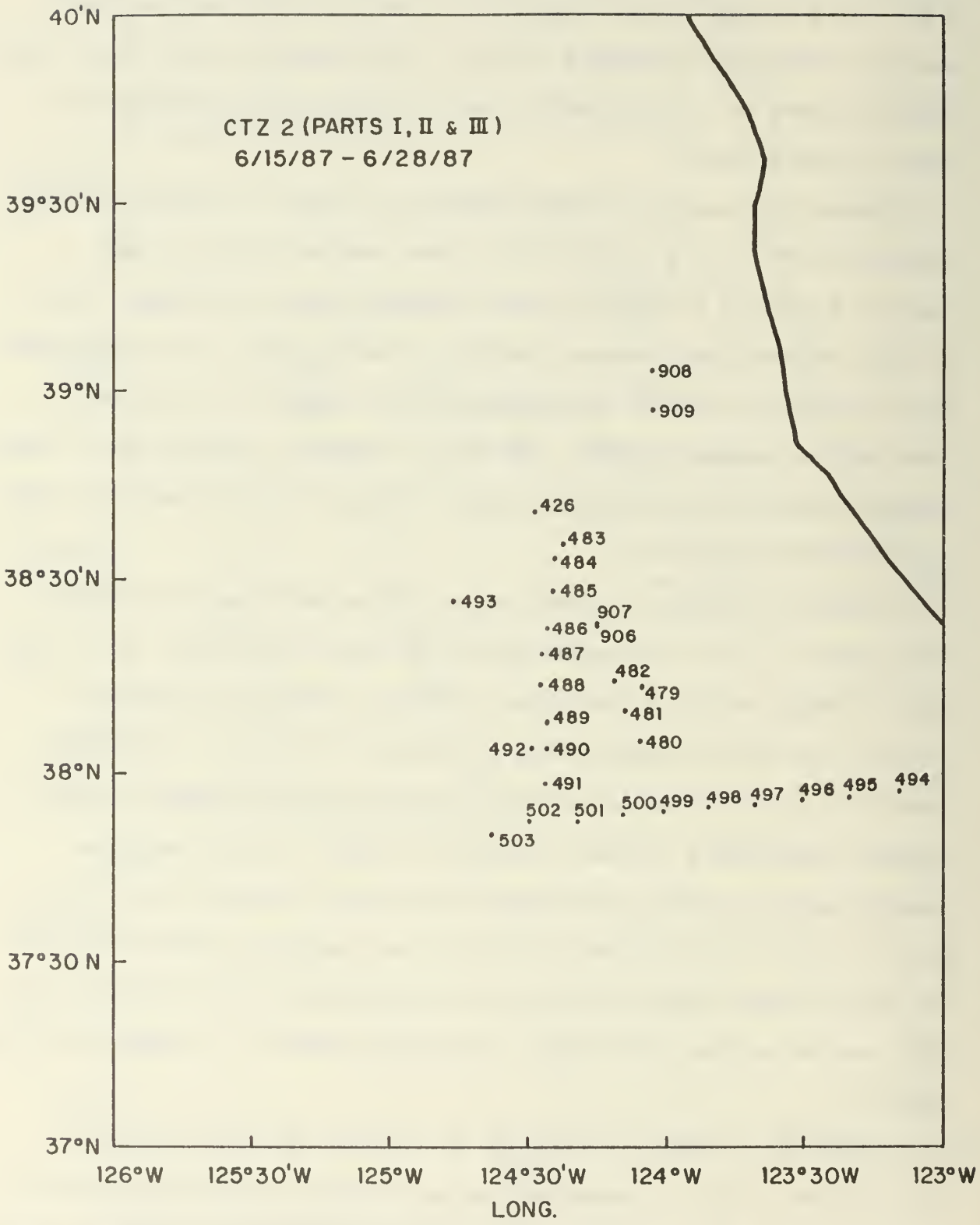



Figure 2. XBT station numbers and locations for all parts of the Coastal Transition Zone (CTZ2) filament study during June 15-28, 1987 aboard the R/V POINT SUR.

leading us to conclude that it would be difficult to track the filament much farther. It was decided that the ship would steam to the source waters near Point Arena and search for a new filament to track.

This search began with a CTD cast at station 55 (Fig. 3) at 1750 UT on June 20. Following this station the ship steamed north along the coast completing CTD casts at stations 56-61 (Fig. 3) by 0415 UT on June 21. The ship then proceeded offshore about 12 nautical miles completing stations 62 and 63 (Fig. 3) before turning back south at 0640 on June 21. The ships course again paralleled the coast and CTD casts were made at stations 641 and 65-68 (Fig. 3) by 1555 on June 21.

By this time a new filament had been found and was tracked as before using the underway sensors and the real time AVHRR SST imagery to follow the filament. The ship headed further offshore completing CTD casts at stations 69 and 70 (Fig. 3) before turning north-northwest back across the filament at 1845 UT on June 21. Stations 70-73, 731, 74, and 75 of this section were finished by 0225 UT on June 22. The ship then turned south and completed CTD casts at stations 76-78 (Fig. 3). Following the CTD cast at station 78 (0710 UT of June 22) the weather became too bad to safely launch and recover the CTD.

As the ship steamed south, the filament mapping continued with XBT drops at stations 479 and 480 (Fig. 2). The ship turned north to cross the filament again at 0850 UT on June 20. Adverse weather conditions continued to prevent CTD operations, so mapping continued intermittently with XBT drops at stations 481-483 (Fig. 2). A more complete section of XBT drops were made after the ship turned south (downwind) following the XBT drop at station 483 at 1550 UT on June 22. XBT drops were made at stations 484-491 completing station 491 at 0130 UT on June 23.

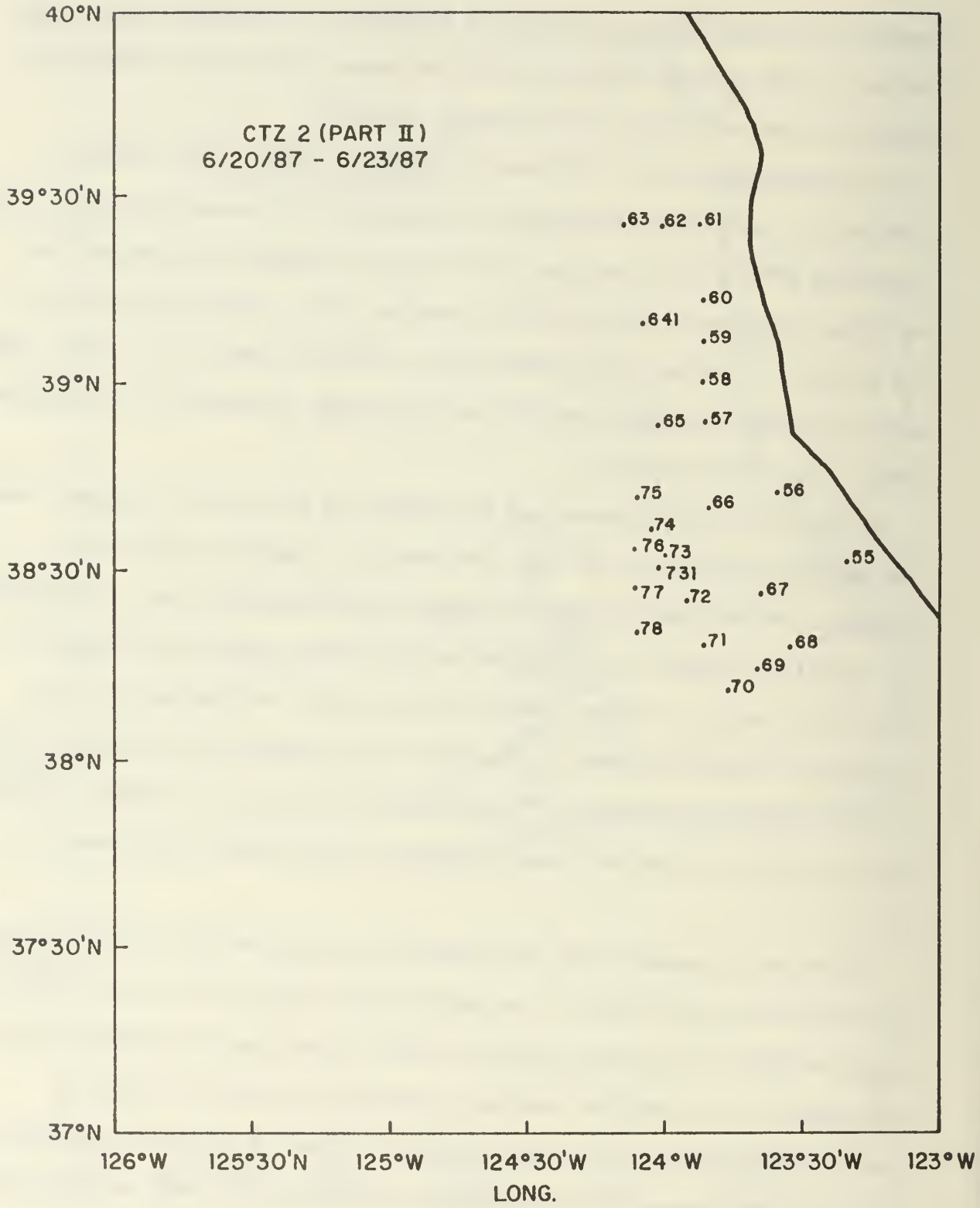



Figure 3. CTD station numbers and locations for part II of the Coastal Transition Zone (CTZ2) filament study during June 20-23, 1987 aboard the R/V POINT SUR.

The ship began to steam north again in an attempt to continue mapping the filament, but after two more XBT drops (stations 492 & 493, Fig. 2) weather conditions deteriorated to the point that operations were halted and the ship steamed for shelter in Drake's Bay. The ship arrived in Drake's Bay at about 0200 UT on June 24 and remained until 0700 UT on June 25 when weather forecasts predicted workable conditions offshore.

After leaving Drake's Bay the first priority was to recover the instrumented drifter deployed at the beginning of the cruise. The latest satellite position of the drifter was relayed to the ship from the Scripps Institution of Oceanography and an estimated position of the drifter was made using the satellite position and dead reckoning. During the steam to the estimated drifter position a section of XBT's was made (stations 494-503, Fig. 2). The drifter was recovered without incident on June 25 at 1935 UT at 37° 43.19' N, 124° 36.31' W.

With no clear imagery to guide the vessel, some of the transects made prior to the bad weather were repeated. A CTD cast was made near the drifter recovery position (station 79, Fig. 4) after which the ship steamed north completing CTD casts at stations 80-82, 825, 826, and 83-87 (Fig. 4) by 1215 UT on June 26. The CTD stations of this section were approximately co-located with XBT drops 484-491 made during part II (see Fig. 2). A southerly section was completed next with CTD casts made at stations 88-90, 905, 91-93, and 935 (Fig. 4). This transect was co-located with XBT drops 480-483 of part II (see Fig. 2). Following the completion of station 935 at 2310 UT on June 26 the ship turned north to begin the next CTD section. This section included stations 941 and 95-98 (Fig. 4) and was completed by 0550 UT on June 27. These transects were co-located with stations 75-78 described earlier.

Three more expendable surface drifters were to be deployed before the end

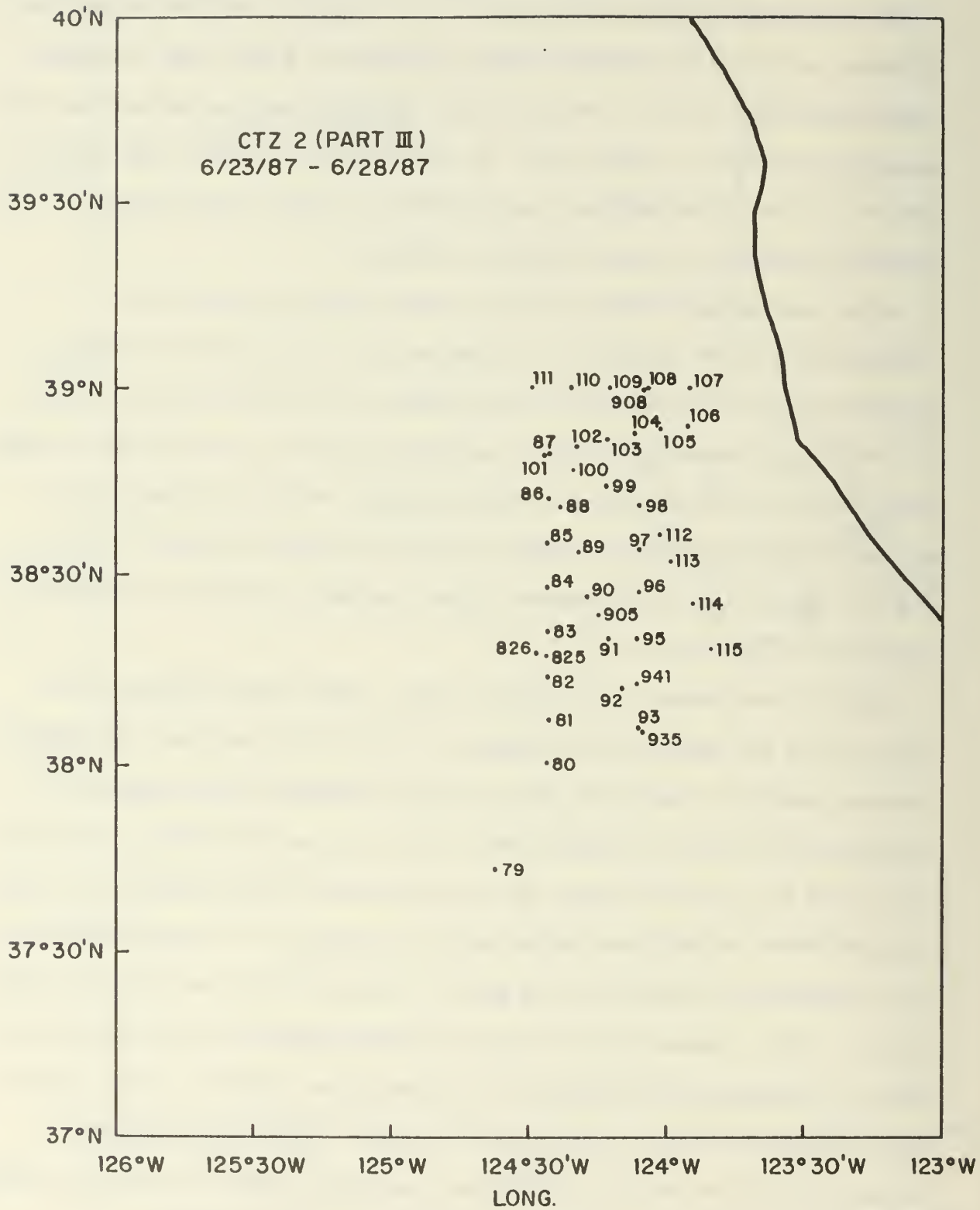



Figure 4. CTD station numbers and locations for part III of the Coastal Transition Zone (CTZ2) filament study during June 23-28, 1987 aboard the R/V POINT SUR.

of the cruise and CTD casts were made at stations 99-108, 908, 110, and 111 (Fig. 4) to help decide where to deploy the drifters. Station 111 was completed at 2040 UT on June 27 after which the drifters were deployed. XBT drops were made at the same time as the last two drifter deployments (stations 908 and 909, Fig. 2).

As the ship steamed back towards Moss Landing a final section of CTD casts was made (stations 112-115, Fig. 4) between 0200 UT and 0545 UT on June 28. These stations were in approximately the same position as stations 71-74 of part II (see Fig. 3). The ship docked back at Moss Landing at 2200 UT on June 28. A listing of all CTD and XBT stations occupied during the cruise is shown in Table 1.

The personnel on this cruise were; Dr. Steven R. Ramp, Naval Postgraduate School (NPS), Dr. Ken Brink, Woods Hole Oceanographic Institution (WHOI), Dr. Curt Davis, Jet Propulsion Laboratory (JPL), Dr. Dave Kadko, Oregon State University (OSU), Mr. Paul Jessen (NPS), Mr. Jim Stockel (NPS), LCDR Bill Fasciano (NPS), Mr. Dick Limeburner (WHOI), Mr. Dick Kovar (OSU), and Ms. Sharon Lindsay, San Jose State University (SJSU).

DATA ACQUISITION AND CALIBRATION

Hydrographic data was acquired using a Neil Brown Mark III-B CTD and Sippican T-4 XBTs. A General Oceanics rosette sampler was attached to the CTD and was equipped with twelve 5 liter Niskin bottles for *in situ* water sampling. The CTD sampling rate was 32 Hz, but the acquisition software employed a pressure latch filter which limited each cast to a uniform series of 4308 data points. On the 500 m casts this resulted in the acquisition of 8 or 9 data points per meter of water. CTD data was acquired only on the downcast with a winch speed of approximately 30 m/min to 150 m then 60 m/min to 500 m. The data were acquired using an HP200 computer and stored on 3.5

Table 1. List of stations occupied during the Coastal Transition Zone (CTZ2) filament study, showing date, time, type, location, and weather.

| Date | Time (UT) | Stn No. | Type | Latitude | Longitude | Wind Dir | Wind Spd(m/s) | Air (°C) | Dew pt. (°C) |
|---|---|---|---|---|---|---|---|---|---|
| June 16 | 0845 | 1 | CTD | 38 30.1 | 123 59.3 | 323 | 11.4 | 12.09 | 7.44 |
| | 1057 | 2 | CTD | 38 38.8 | 123 49.2 | 336 | 12.7 | 11.70 | 7.31 |
| | 1249 | 3 | CTD | 38 47.3 | 123 50.6 | 323 | 8.7 | 10.90 | 6.98 |
| | 1408 | 4 | CTD | 38 53.4 | 123 50.7 | 357 | 9.0 | 12.00 | 7.33 |
| | 1538 | 5 | CTD | 39 0.2 | 123 51.4 | 013 | 10.0 | 12.43 | 7.02 |
| | 1644 | 6 | CTD | 39 6.7 | 123 51.8 | 342 | 8.8 | 12.35 | 6.46 |
| | 1810 | 7 | CTD | 39 13.4 | 123 51.9 | 322 | 10.4 | 12.68 | 7.54 |
| | 1903 | 8 | CTD | 39 13.5 | 123 57.9 | 314 | 10.2 | 12.38 | 7.44 |
| | 2009 | 9 | CTD | 39 14.3 | 124 4.4 | 324 | 12.5 | 12.98 | 7.34 |
| | 2111 | 10 | CTD | 39 13.3 | 124 11.4 | 001 | 11.9 | 13.57 | 7.11 |
| | 2217 | 11 | CTD | 39 13.2 | 124 19.0 | 356 | 11.4 | 13.40 | 7.45 |
| June 17 | 0032 | 12 | CTD | 39 6.4 | 124 12.4 | 316 | 13.3 | 13.25 | 7.09 |
| | 0140 | 13 | CTD | 39 3.2 | 124 7.4 | 319 | 12.4 | 13.80 | 6.93 |
| | 0330 | 14 | CTD | 38 58.2 | 124 2.4 | 315 | 15.5 | 13.32 | 7.10 |
| | 0520 | 15 | CTD | 38 54.9 | 124 11.9 | 323 | 14.9 | 13.55 | 7.68 |
| | 0743 | 16 | CTD | 38 51.8 | 124 23.2 | 320 | 16.5 | 12.73 | 7.52 |
| | 0916 | 17 | CTD | 38 46.8 | 124 17.0 | 329 | 13.7 | 12.90 | 7.71 |
| | 1032 | 18 | CTD | 38 41.9 | 124 11.9 | 325 | 13.1 | 13.27 | 7.51 |
| | 1156 | 19 | CTD | 38 36.3 | 124 6.2 | 317 | 12.5 | 12.49 | 7.60 |
| | 1315 | 20 | CTD | 38 31.8 | 124 1.2 | 324 | 13.1 | 11.96 | 7.37 |
| | 1446 | 21 | CTD | 38 25.9 | 123 53.3 | 317 | 10.8 | 12.18 | 7.63 |
| June 18 | 0126 | 22 | CTD | 38 20.4 | 123 59.3 | 321 | 14.2 | 13.99 | 8.27 |
| | 0302 | 23 | CTD | 38 25.4 | 124 7.3 | 310 | 12.0 | 13.44 | 8.36 |
| | 0521 | 24 | CTD | 38 31.4 | 124 14.3 | 317 | 15.3 | 13.76 | 8.24 |
| | 0725 | 25 | CTD | 38 36.2 | 124 21.2 | 332 | 13.7 | 13.74 | 8.32 |
| | 1002 | 426 | XBT | 38 43.1 | 124 31.2 | 336 | 12.2 | 13.66 | 8.61 |
| | 1113 | 27 | CTD | 38 47.3 | 124 38.0 | 336 | 11.5 | 12.73 | 8.70 |
| | 1246 | 28 | CTD | 38 52.4 | 124 45.9 | 327 | 12.7 | 12.91 | 8.54 |
| | 1418 | 29 | CTD | 38 57.4 | 124 52.7 | 344 | 14.2 | 13.60 | 8.13 |
| | 1605 | 30 | CTD | 39 3.1 | 125 0.8 | 338 | 11.6 | 14.20 | 8.32 |
| | 1818 | 31 | CTD | 39 8.3 | 125 7.6 | 352 | 11.8 | 14.40 | 9.28 |
| | 2014 | 32 | CTD | 39 3.5 | 125 15.9 | 008 | 12.5 | 14.48 | 8.82 |
| | 2140 | 33 | CTD | 38 58.0 | 125 25.8 | 002 | 9.1 | 14.44 | 8.69 |
| | 2256 | 34 | CTD | 38 50.9 | 125 22.0 | 355 | 10.4 | 14.17 | 9.37 |
| June 19 | 0018 | 35 | CTD | 38 44.4 | 125 16.7 | 334 | 11.3 | 14.65 | 9.27 |
| | 0143 | 36 | CTD | 38 37.0 | 125 11.9 | 339 | 9.8 | 13.76 | 9.43 |
| | 0300 | 37 | CTD | 38 30.0 | 125 8.3 | 330 | 9.8 | 12.96 | 9.84 |
| | 0422 | 38 | CTD | 38 23.4 | 125 4.1 | 334 | 10.2 | 12.71 | 9.88 |
| | 0553 | 39 | CTD | 38 15.8 | 125 0.1 | 323 | 8.9 | 12.40 | 9.63 |
| | 0736 | 40 | CTD | 38 8.5 | 124 56.0 | 322 | 9.5 | 12.52 | 9.67 |
| | 0858 | 41 | CTD | 38 1.6 | 124 51.9 | 322 | 9.4 | 12.67 | 9.65 |
| | 1027 | 42 | CTD | 37 54.1 | 124 47.7 | 333 | 11.0 | 12.71 | 9.73 |
| | 1203 | 43 | CTD | 37 46.9 | 124 44.1 | 328 | 10.3 | 12.73 | 9.57 |
| | 1336 | 44 | CTD | 37 47.0 | 124 56.0 | 344 | 9.8 | 13.03 | 9.47 |
| | 1515 | 45 | CTD | 37 47.0 | 125 9.0 | 346 | 8.8 | 13.42 | 9.17 |
| | 1657 | 46 | CTD | 37 47.0 | 125 22.0 | 012 | 7.6 | 13.33 | 8.73 |
| | 1844 | 47 | CTD | 37 47.1 | 125 33.0 | 353 | 7.6 | 13.77 | 8.36 |
| | 2009 | 48 | CTD | 37 53.7 | 125 35.7 | 005 | 5.6 | 13.68 | 8.12 |

Table 1. (continued)

| Date | Time (UT) | Stn No. | Type | Latitude | Longitude | Wind Dir | Wind Spd(m/s) | Air (°C) | Dew pt. (°C) |
|---|---|---|---|---|---|---|---|---|---|
| | 2143 | 49 | CTD | 38 2.6 | 125 35.2 | 320 | 8.3 | 13.50 | 8.36 |
| | 2317 | 50 | CTD | 38 10.5 | 125 35.4 | 299 | 7.8 | 13.66 | 8.04 |
| JUNE 20 | 0044 | 51 | CTD | 38 18.4 | 125 35.1 | 310 | 7.8 | 12.74 | 8.83 |
| | 0319 | 52 | CTD | 38 26.5 | 125 35.1 | 304 | 5.5 | 12.53 | 10.04 |
| | 0440 | 53 | CTD | 38 34.0 | 125 35.2 | 295 | 5.8 | 12.61 | 8.28 |
| | 0613 | 54 | CTD | 38 41.9 | 125 35.2 | 318 | 3.7 | 12.80 | 10.20 |
| | 1752 | 55 | CTD | 38 31.3 | 123 20.7 | 174 | 9.1 | 10.85 | 7.83 |
| | 2015 | 56 | CTD | 38 42.3 | 123 35.7 | 359 | 5.4 | 12.26 | 8.85 |
| | 2314 | 57 | CTD | 38 53.7 | 123 51.1 | 004 | 0.2 | 13.98 | 10.47 |
| JUNE 21 | 0016 | 58 | CTD | 39 0.2 | 123 51.5 | 193 | 1.2 | 13.89 | 10.83 |
| | 0110 | 59 | CTD | 39 6.8 | 123 51.8 | 144 | 2.5 | 13.25 | 10.76 |
| | 0220 | 60 | CTD | 39 13.2 | 123 51.8 | 145 | 3.8 | 13.35 | 11.74 |
| | 0356 | 61 | CTD | 39 25.4 | 123 52.3 | 178 | 4.7 | 13.09 | 10.83 |
| | 0457 | 62 | CTD | 39 25.3 | 124 0.7 | 162 | 2.7 | 12.28 | 10.56 |
| | 0609 | 63 | CTD | 38 25.3 | 124 9.2 | 163 | 5.5 | 12.49 | 10.37 |
| | 0831 | 641 | CTD | 39 9.6 | 124 4.9 | 308 | 4.2 | 12.35 | 11.20 |
| | 1021 | 65 | CTD | 38 53.3 | 124 1.1 | 345 | 4.6 | 12.55 | 10.71 |
| | 1216 | 66 | CTD | 38 39.8 | 123 50.7 | 311 | 7.3 | 11.47 | 10.14 |
| | 1424 | 67 | CTD | 38 26.3 | 123 39.3 | 352 | 7.6 | 11.95 | 10.62 |
| | 1553 | 68 | CTD | 38 18.2 | 123 32.4 | 353 | 8.6 | 12.65 | 9.47 |
| | 1657 | 69 | CTD | 38 14.7 | 123 39.4 | 349 | 9.9 | 13.65 | 9.42 |
| | 1802 | 70 | CTD | 38 11.4 | 123 46.4 | 333 | 10.0 | 13.42 | 8.78 |
| | 1937 | 71 | CTD | 38 18.3 | 123 51.4 | 335 | 11.1 | 14.83 | 9.46 |
| | 2101 | 72 | CTD | 38 25.3 | 123 55.2 | 334 | 11.5 | 14.82 | 9.05 |
| | 2222 | 73 | CTD | 38 32.2 | 124 0.0 | 308 | 13.9 | 14.68 | 9.01 |
| | 2325 | 731 | CTD | 38 30.4 | 124 1.1 | 318 | 14.3 | 14.15 | 8.48 |
| JUNE 22 | 0046 | 74 | CTD | 38 36.3 | 124 2.9 | 318 | 14.6 | 14.64 | 8.70 |
| | 0225 | 75 | CTD | 38 41.5 | 124 6.1 | 328 | 14.1 | 14.74 | 8.84 |
| | 0336 | 76 | CTD | 38 33.7 | 124 6.7 | 324 | 15.0 | 14.39 | 8.44 |
| | 0516 | 77 | CTD | 38 27.2 | 124 6.4 | 327 | 13.0 | 14.23 | 8.44 |
| | 0632 | 78 | CTD | 38 20.3 | 124 6.2 | 320 | 15.5 | 14.03 | 8.04 |
| | 0754 | 479 | XBT | 38 13.3 | 124 5.6 | 333 | 16.0 | 12.93 | 8.24 |
| | 0850 | 480 | XBT | 38 5.2 | 124 6.1 | 326 | 16.4 | 14.01 | 8.13 |
| | 0957 | 481 | XBT | 38 9.9 | 124 9.1 | 327 | 13.8 | 14.41 | 8.09 |
| | 1051 | 482 | XBT | 38 14.5 | 124 11.4 | 335 | 15.1 | 14.18 | 8.15 |
| | 1549 | 483 | XBT | 38 35.7 | 124 22.1 | 336 | 17.0 | 14.92 | 8.02 |
| | 1909 | 484 | XBT | 38 33.6 | 124 24.0 | 338 | 14.1 | 14.34 | 8.37 |
| | 2002 | 485 | XBT | 38 28.2 | 124 24.7 | 335 | 14.1 | 14.37 | 6.14 |
| | 2100 | 486 | XBT | 38 22.6 | 124 26.0 | 324 | 13.0 | 14.33 | 8.83 |
| | 2145 | 487 | XBT | 38 18.5 | 124 26.9 | 334 | 12.3 | 14.13 | 8.88 |
| | 2238 | 488 | XBT | 38 13.8 | 124 26.8 | 333 | 12.9 | 14.78 | 8.78 |
| | 2341 | 489 | XBT | 38 8.1 | 124 26.0 | 331 | 14.1 | 15.09 | 8.96 |
| JUNE 23 | 0030 | 490 | XBT | 38 3.8 | 124 26.1 | 320 | 15.4 | 15.23 | 8.98 |
| | 0133 | 491 | XBT | 37 58.5 | 124 26.3 | 333 | 14.1 | 15.05 | 9.13 |
| | 0323 | 492 | XBT | 38 3.9 | 124 28.9 | - | - | - | - |
| | 1444 | 493 | XBT | 38 57.1 | 124 46.6 | 331 | 14.5 | 14.85 | 9.49 |
| JUNE 25 | 0832 | 494 | XBT | 37 57.1 | 123 9.7 | 217 | 2.3 | 10.25 | 8.89 |
| | 0927 | 495 | XBT | 37 56.2 | 123 20.8 | 254 | 2.7 | 10.45 | 8.95 |
| | 1014 | 496 | XBT | 37 55.8 | 123 30.6 | 300 | 2.7 | 10.59 | 9.28 |

Table 1. (continued)

| Date | Time (UT) | Stn No. | Type | Latitude | Longitude | Wind Dir | Wind Spd(m/s) | Air (°C) | Dew pt. (°C) |
|---|---|---|---|---|---|---|---|---|---|
| | 1104 | 497 | XBT | 37 55.2 | 123 40.6 | 325 | 4.4 | 11.46 | 9.51 |
| | 1153 | 498 | XBT | 37 54.7 | 123 50.9 | 318 | 6.2 | 11.28 | 9.47 |
| | 1242 | 499 | XBT | 37 54.0 | 124 1.0 | 330 | 5.3 | 11.67 | 9.70 |
| | 1326 | 500 | XBT | 37 53.4 | 124 9.6 | 334 | 7.4 | 12.62 | 10.25 |
| | 1416 | 501 | XBT | 37 52.5 | 124 19.6 | 343 | 6.9 | 12.28 | 10.16 |
| | 1509 | 502 | XBT | 37 52.3 | 124 29.6 | 332 | 9.8 | 13.05 | 10.09 |
| | 1603 | 503 | XBT | 37 50.3 | 124 38.2 | 351 | 8.6 | 12.55 | 10.24 |
| | 1739 | 79 | CTD | 37 43.3 | 124 37.0 | 019 | 6.7 | 12.54 | 10.22 |
| | 2325 | 80 | CTD | 38 0.5 | 124 25.8 | 323 | 5.5 | 12.12 | 9.50 |
| JUNE 26 | 0034 | 81 | CTD | 38 7.4 | 124 26.0 | 327 | 5.2 | 11.83 | 9.88 |
| | 0155 | 82 | CTD | 38 14.4 | 124 25.9 | 339 | 4.5 | 11.23 | 9.99 |
| | 0343 | 825 | CTD | 38 17.6 | 124 26.5 | 332 | 1.0 | 10.52 | 9.36 |
| | 0440 | 826 | CTD | 38 18.0 | 124 28.1 | 315 | 4.9 | 10.58 | 9.16 |
| | 0545 | 83 | CTD | 38 21.4 | 124 26.0 | 008 | 1.1 | 10.04 | 9.09 |
| | 0817 | 84 | CTD | 38 28.3 | 124 26.0 | 101 | 1.1 | 9.75 | 8.79 |
| | 0934 | 85 | CTD | 38 35.4 | 124 26.0 | 266 | 1.9 | 9.45 | 8.78 |
| | 1046 | 86 | CTD | 38 42.4 | 124 25.8 | 178 | 0.3 | 9.45 | 8.60 |
| | 1159 | 87 | CTD | 38 49.5 | 124 25.7 | 094 | 2.5 | 9.60 | 9.04 |
| | 1311 | 88 | CTD | 38 41.2 | 124 22.8 | 058 | 2.2 | 9.60 | 8.61 |
| | 1420 | 89 | CTD | 38 34.1 | 124 19.5 | 113 | 2.2 | 9.56 | 8.70 |
| | 1542 | 90 | CTD | 38 26.8 | 124 17.2 | 161 | 1.3 | 10.25 | 9.42 |
| | 1716 | 905 | CTD | 38 23.9 | 124 15.1 | 128 | 0.6 | 10.53 | 9.30 |
| | 1821 | 906 | XBT | 38 23.1 | 124 15.4 | 242 | 4.4 | 10.75 | 9.00 |
| | 1826 | 907 | XBT | 38 22.9 | 124 14.8 | 242 | 4.4 | 10.75 | 9.00 |
| | 1845 | 91 | CTD | 38 20.2 | 124 12.6 | 142 | 1.7 | 13.40 | 9.52 |
| | 2056 | 92 | CTD | 38 12.4 | 124 9.4 | 132 | 2.2 | 12.03 | 8.55 |
| | 2225 | 93 | CTD | 38 6.2 | 124 6.1 | 184 | 3.4 | 12.00 | 9.58 |
| | 2308 | 935 | CTD | 38 5.8 | 124 5.3 | 235 | 2.5 | 12.21 | 9.79 |
| JUNE 27 | 0053 | 941 | CTD | 38 13.4 | 124 6.5 | 273 | 1.7 | 12.15 | 9.99 |
| | 0216 | 95 | CTD | 38 13.2 | 124 6.5 | 081 | 0.7 | 11.58 | 10.43 |
| | 0323 | 96 | CTD | 38 27.4 | 124 6.3 | 221 | 1.0 | 11.21 | 9.33 |
| | 0433 | 97 | CTD | 38 34.4 | 124 6.3 | 149 | 0.9 | 10.84 | 9.03 |
| | 0548 | 98 | CTD | 38 41.4 | 124 6.3 | 325 | 0.2 | 10.65 | - |
| | 0715 | 99 | CTD | 38 44.5 | 124 13.1 | 066 | 1.3 | 10.50 | 10.14 |
| | 0825 | 100 | CTD | 38 46.9 | 124 20.3 | 234 | 2.2 | 10.95 | 10.29 |
| | 0928 | 101 | CTD | 38 49.4 | 124 26.2 | 301 | 2.1 | 10.93 | 10.69 |
| | 1025 | 102 | CTD | 38 50.5 | 124 20.0 | 247 | 1.3 | 10.88 | 10.18 |
| | 1150 | 103 | CTD | 38 51.7 | 124 13.4 | 164 | 2.8 | 10.69 | 10.59 |
| | 1250 | 104 | CTD | 38 52.6 | 124 7.5 | 136 | 4.5 | 10.23 | 9.42 |
| | 1358 | 105 | CTD | 38 53.3 | 124 1.8 | 173 | 6.1 | 10.14 | 9.36 |
| | 1456 | 106 | CTD | 38 54.0 | 123 55.8 | 213 | 4.9 | 10.40 | 9.41 |
| | 1555 | 107 | CTD | 39 0.4 | 123 55.4 | 198 | 5.7 | 10.76 | 9.82 |
| | 1700 | 108 | CTD | 39 0.2 | 124 4.6 | 202 | 6.2 | 10.68 | 9.50 |
| | 1715 | 908 | CTD | 39 0.1 | 124 4.4 | 173 | 6.4 | 10.63 | 8.55 |
| | 1806 | 109 | CTD | 39 0.2 | 124 12.6 | 171 | 4.9 | 10.85 | 9.66 |
| | 1913 | 110 | CTD | 39 0.1 | 124 21.0 | 152 | 3.7 | 11.13 | 8.66 |
| | 2015 | 111 | CTD | 39 0.1 | 124 29.2 | 162 | 5.0 | 11.47 | 10.00 |
| | 2307 | 908 | XBT | 39 3.2 | 124 3.3 | 268 | 2.9 | 12.18 | 9.14 |
| | 2352 | 909 | XBT | 38 57.0 | 124 2.9 | 277 | 3.6 | 12.02 | 9.39 |

Table 1. (continued)

| Date | Time (UT) | Stn No. | Type | Latitude | Longitude | Wind Dir | Wind Spd(m/s) | Air (°C) | Dew pt. (°C) |
|---|---|---|---|---|---|---|---|---|---|
| JUNE 28 | 0202 | 112 | CTD | 38 36.6 | 124 2.1 | 061 | 1.4 | 11.86 | 10.53 |
| | 0304 | 113 | CTD | 38 32.4 | 123 59.2 | 023 | 1.4 | 11.90 | 10.45 |
| | 0427 | 114 | CTD | 38 25.7 | 123 54.5 | 316 | 2.2 | 11.96 | 10.28 |
| | 0541 | 115 | CTD | 38 18.7 | 123 50.7 | 350 | 3.3 | 12.13 | 10.00 |

inch diskettes. Upon return to shore the data were transferred to 9 track tape and then processed on an IBM 3033 mainframe computer.

In addition to the CTD and XBT data, an underway data acquisition loop recorded 30 second averages of sea surface temperature and salinity, sea surface skin temperature, wind speed and direction, air temperature, dew point temperature, and visible and infrared radiation. The sensors used to acquire this data included Seabird temperature and conductivity sensors for the sea surface temperature and salinity, a Rosemount 100 ohm platinum resistance thermistor for the sea surface skin temperature, an R. M. Young anemometer for the wind speed and direction, a General Eastern dewpoint sensor for the air and dewpoint temperatures, and Epply pyronometers for the visible and infrared radiation. The underway data was acquired on an HP9816 computer and recorded on 3.5 inch diskettes. Like the CTD data, the underway data were transferred to 9 track tape upon return and processed on the IBM mainframe.

The temperature, conductivity, and pressure sensors on the CTD and the temperature and conductivity sensors of the underway sampling system were calibrated shortly after the cruise. The pressure calibration was carried out using a Chandler Engineering dead weight tester as a standard. At 10 equally spaced pressures from 50 to 500 db, indicated pressures from the standard and the CTD sensor were recorded. The differences between recorded values were within the stated accuracy of the sensor (+/- 1.6 db) therefore no pressure correction was applied.

The temperature calibration was done using a Seabird temperature sensor as a standard. This standard sensor is recalibrated by the manufacturer approximately every six months. A temperature bath of 70 - 80 liters of fresh water in an insulated tub was used to compare the standard and sample sensors at 1 $^{o}$C increments from 0 - 20 $^{o}$C. 30 data points were collected at each

temperature and then averaged to yield a single value for each sensor. A regression analysis was run on the 21 data points revealing a linear difference between the standard sensor and all of the sample sensors. The coefficients for the correction to the CTD temperature sensor were 1.00020 (slope) and +0.02361 (intercept). The best fit for the Seabird temperature sensor used in the underway sea surface temperature was linear with a slope of 1.0027 and an intercept of +0.0087. The relationship between the resistance of the Rosemount thermistor used for measuring sea surface skin temperature and the reference sensor was also linear with a slope of 2.568 and an intercept of -256.865.

The conductivity calibration was carried out using a Guildline Model 8400 Autosal as a standard. A constant conductivity bath was used to compare the standard and sample sensor conductivities at five different conductivity levels. 10 samples were taken at each conductivity level and averaged to yield a single value for each sensor at each conductivity level. Regression analysis was run comparing the sample cell conductivities (CTD and underway) with the standard sensor conductivities (Autosal). A linear correction was found for the CTD sensor with coefficients of 1.001487 (slope) and -0.034173 (intercept). The best fit for the Seabird conductivity sensor used in the underway system was a linear correction with coefficients of 1.0027 (slope) and +0.0087 (intercept).

A total of 42 water samples were taken at 7 CTD stations for post cruise calibration. The CTD pressure, conductivity and temperature were noted as each sample was taken. These numbers, after applying the calibration coefficients, were used to calculate salinity and the results compared with the water sample salinities calculated using the Guildline Model 8400 Autosal in the laboratory. In order to avoid erroneous comparisons due to ship roll in areas

of high vertical salinity gradients, samples were eliminated from consideration if the salinity within 2 meters of the nominal sample depth changed more than 0.01 PSU. The number of comparable points was reduced to 32 by this constraint. The differences between Autosal calculated salinities and those from the CTD are listed in Table 2. The mean difference was +0.005 with a range of -0.077 to +0.025. No further adjustments were made to the CTD conductivities based on water bottle sample comparisons.

DATA PROCESSING

After the raw CTD data was transferred to the IBM 3033 mainframe computer at the Naval Postgraduate School, the described temperature and conductivity corrections were applied to produce profiles of corrected pressure, temperature, and conductivity. Salinity was calculated from these corrected values according to the algorithm of Lewis and Perkin (1981). Severe spiking due to system malfunctions was eliminated from the salinity signal with a search for vertical salinity gradients greater than 1.0 PSU/m. Points that were determined to be bad were replaced using linear interpolation. Time lag spikes were eliminated by discarding salinity data in regions where the vertical temperature gradient exceeded 0.2 $^{o}$C/m and replacing the discarded data with linearly interpolated values. Finally the data were averaged within 1 m intervals and visually examined for any remaining outliers missed during processing. If found, these points were replaced with linearly interpolated values.

The density anomaly ($\gamma$) at atmospheric pressure was calculated using the corrected values of temperature and salinity and the appropriate algorithms found in Volume 4 of the International Oceanographic Tables (UNESCO, 1987). Surface plots of temperature, salinity, and dynamic height relative to 500 db. were contoured subjectively by hand.

Table 2. Differences between salinities calculated using the corrected CTD pressure, temperature, and conductivity readings and those of the water samples at the same depth measured by the Guildline Autosal.

| STA | Z | CTD SAL | SAMPLE SAL | DIFFERENCE |
|---|---|---|---|---|
| 2 | 484 | 34.206 | 34.208 | -0.002 |
| | 350 | 34.180 | 34.180 | 0.000 |
| | 201 | 34.100 | 34.177 | -0.077 |
| | 4 | 33.031 | 33.005 | +0.025 |
| 16 | 432 | 34.159 | 34.148 | +0.011 |
| | 372 | 34.067 | 34.063 | +0.004 |
| | 226 | 34.095 | 34.087 | +0.008 |
| | 10 | 32.877 | 32.859 | +0.018 |
| 29 | 489 | 34.176 | 34.169 | +0.007 |
| | 448 | 34.127 | 34.126 | +0.001 |
| | 399 | 34.097 | 34.094 | +0.003 |
| | 348 | 34.092 | 34.090 | +0.002 |
| | 299 | 34.094 | 34.086 | +0.008 |
| | 8 | 32.820 | 32.812 | +0.008 |
| 49 | 533 | 34.174 | 34.169 | +0.005 |
| | 448 | 34.132 | 34.113 | +0.019 |
| | 398 | 34.081 | 34.071 | +0.010 |
| | 347 | 34.061 | 34.055 | +0.006 |
| | 300 | 34.024 | 34.013 | +0.011 |
| | 23 | 32.861 | 32.849 | +0.013 |
| 71 | 475 | 34.180 | 34.180 | 0.000 |
| | 397 | 34.149 | 34.146 | +0.003 |
| | 299 | 34.081 | 34.076 | +0.005 |
| | 200 | 34.027 | 34.028 | -0.001 |
| 81 | 511 | 34.220 | 34.211 | +0.009 |
| | 450 | 34.131 | 34.123 | +0.008 |
| | 399 | 34.093 | 34.079 | +0.014 |
| | 198 | 33.974 | 33.955 | +0.019 |
| 112 | 449 | 34.202 | 34.197 | +0.005 |
| | 301 | 34.148 | 34.139 | +0.009 |
| | 179 | 33.998 | 33.990 | +0.008 |
| | 69 | 33.568 | 33.556 | +0.012 |

## DATA PRESENTATION

The CTD station positions and numbers for each part of the cruise are shown in Figs. 1, 3, and 4 respectively. The XBT station numbers and positions for all parts of the cruise are shown in Fig. 2. Maps of hourly averaged wind vectors during each part of the cruise are presented in Figs. 5-7.

Hydrographic data are presented in the form of horizontal maps, vertical sections, and vertical profiles. Maps of surface temperature (T), salinity (S), and dynamic height relative to 500 db ($\Delta D_o/500$) for each part of the cruise are presented in Fig. 8-16. Vertical sections of temperature, salinity, and the density anomaly at atmospheric pressure ($\gamma$) from the CTD data are shown in Figs. 17-35. Sections from part I are shown in Figs. 17-24, those from part II in Figs. 25-28, and those from part III in Figs. 29-35. Figs. 36 and 37 are vertical sections of temperature from the XBT drops made during parts of the cruise. Selected data from each CTD cast is presented along with a vertical profile of temperature, salinity, and density anomaly at atmospheric pressure in Fig. 38. Fig. 39 presents the XBT data in the same form. In these two figures an asterisk next to a point in the data listing indicates that the point is an interpolated value.

## ACKNOWLEDGEMENTS

This work was funded by the Office of Naval Research and the Naval Postgraduate School's direct research funding. We thank Ms. Melissa Ciandro and Mr. Bob Writner of the Scripps Institution of Oceanography for the real-time transmission of the satellite AVHRR sea surface temperature data to the R/V POINT SUR. The able assistance of the officers and crew of the POINT SUR are much appreciated.

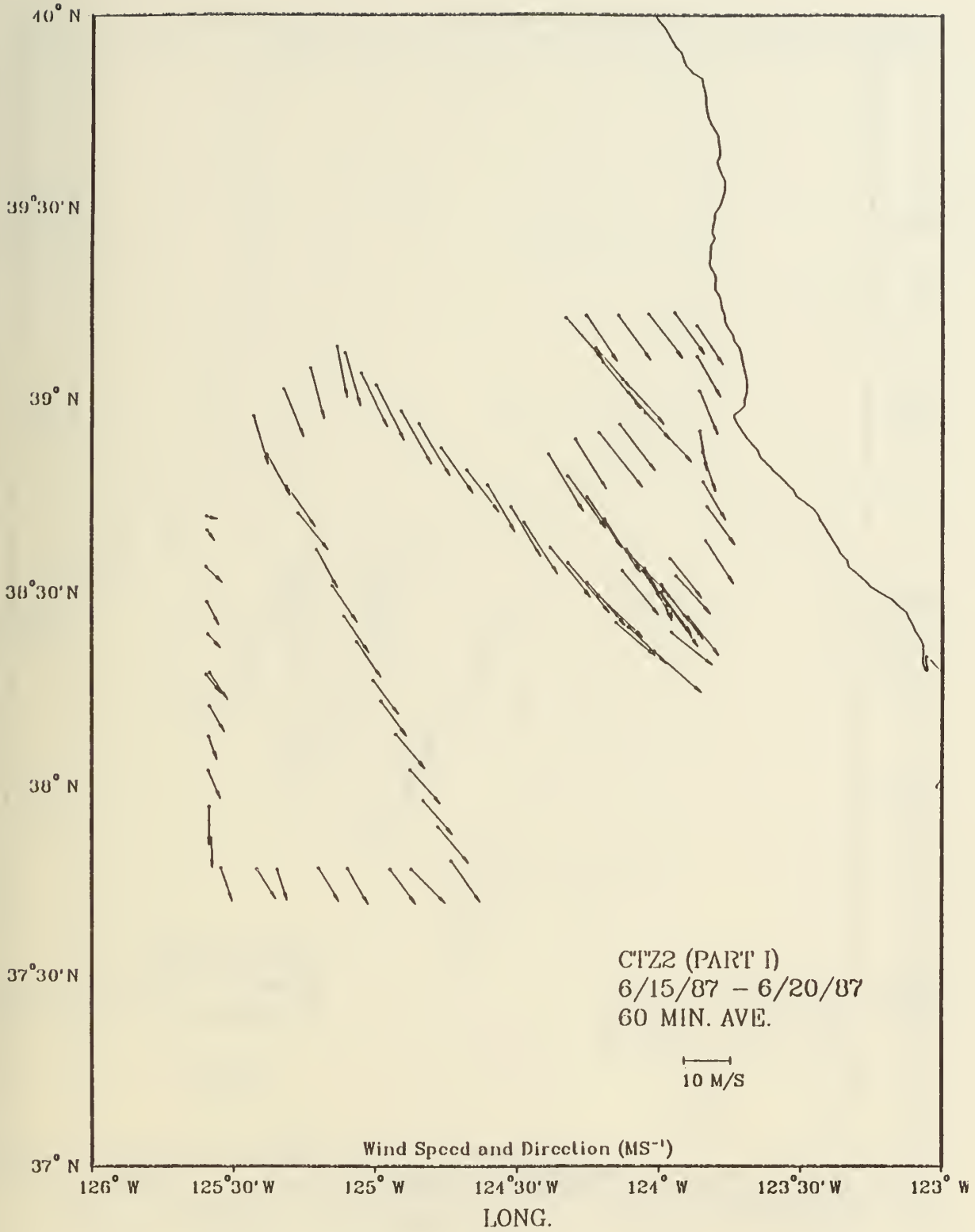



Figure 5. Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part I of cruise CTZ2.

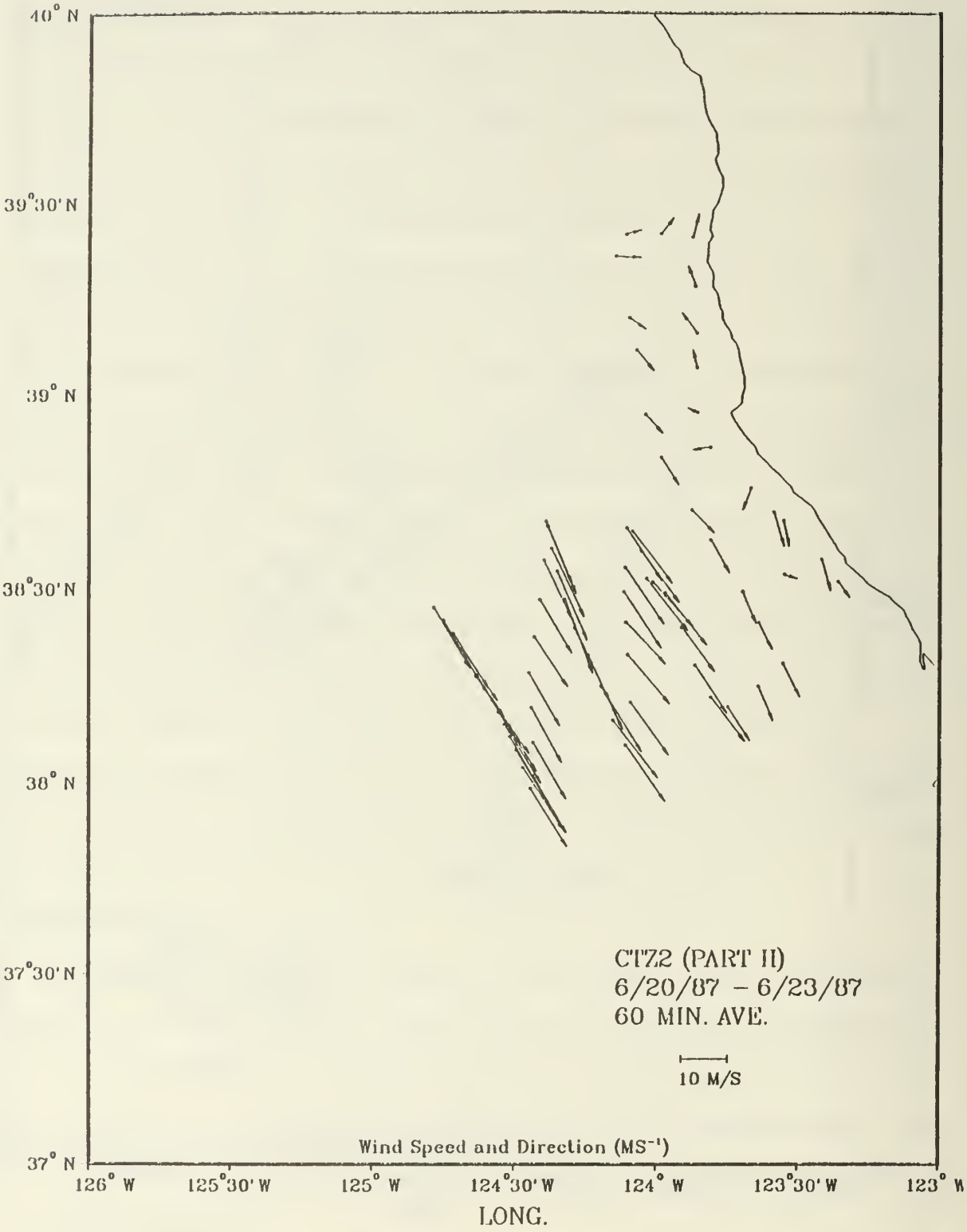



Figure 6. Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part II of cruise CTZ2.

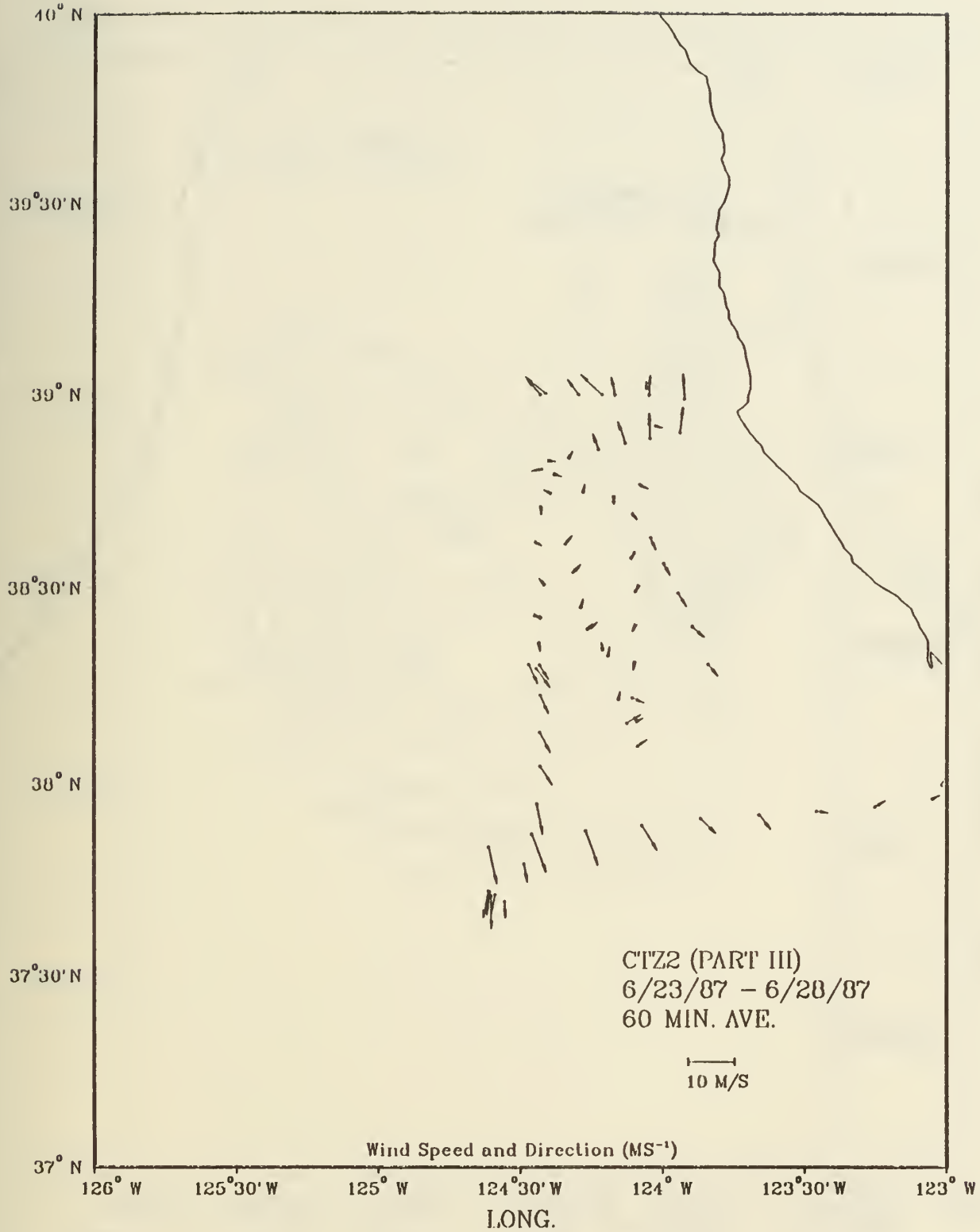



Figure 7. Hourly averages of wind speed and direction measured at 10 m height from the R/V POINT SUR during part III of cruise CTZ2.

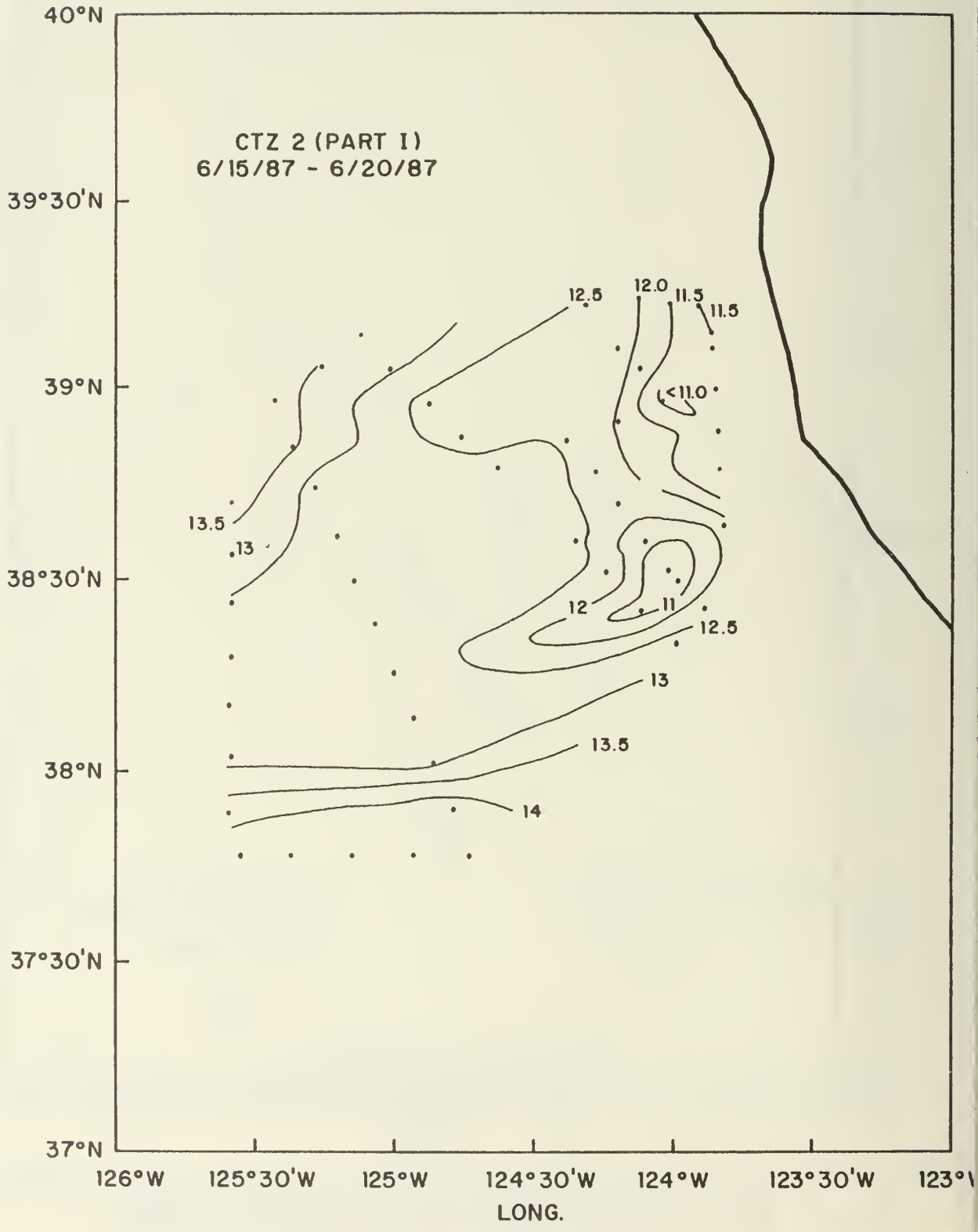



Figure 8. Map of surface temperature during part I of cruise CTZ2, June 15-
1987.

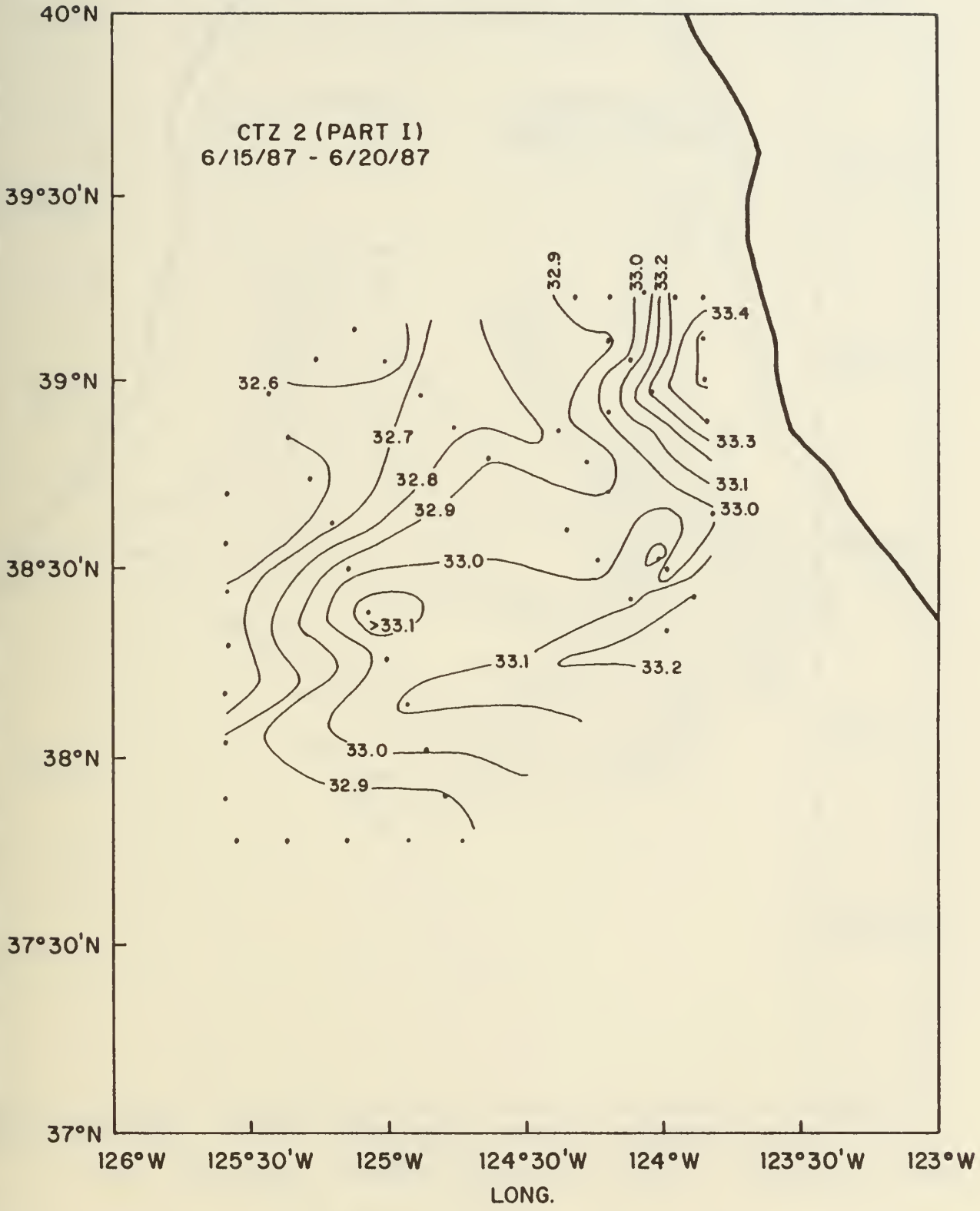



Figure 9. Map of surface salinity during part I of cruise CTZ2, June 15-20, 1987.

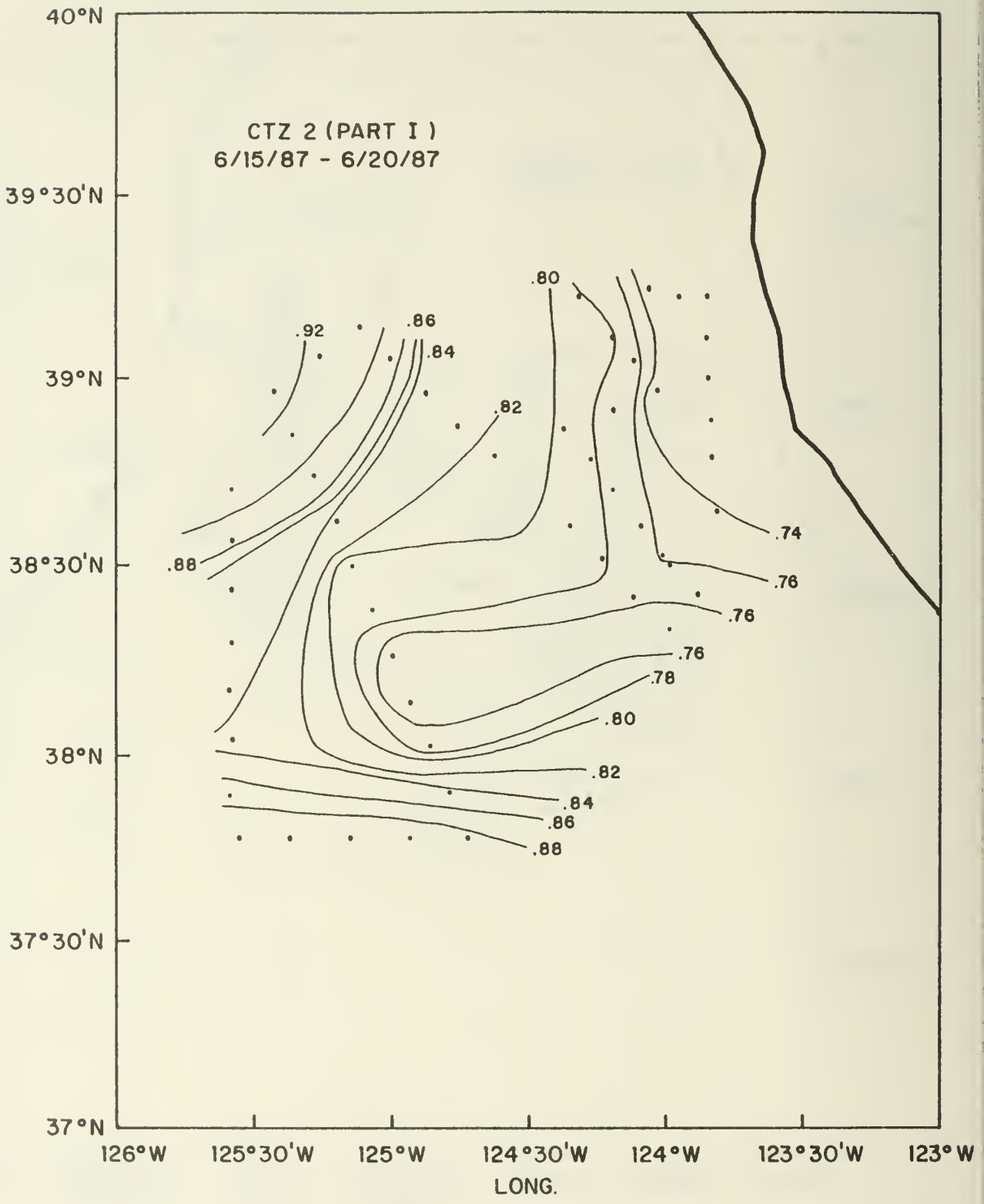



Figure 10. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part I of cruise CTZ2, June 15-20, 1987.

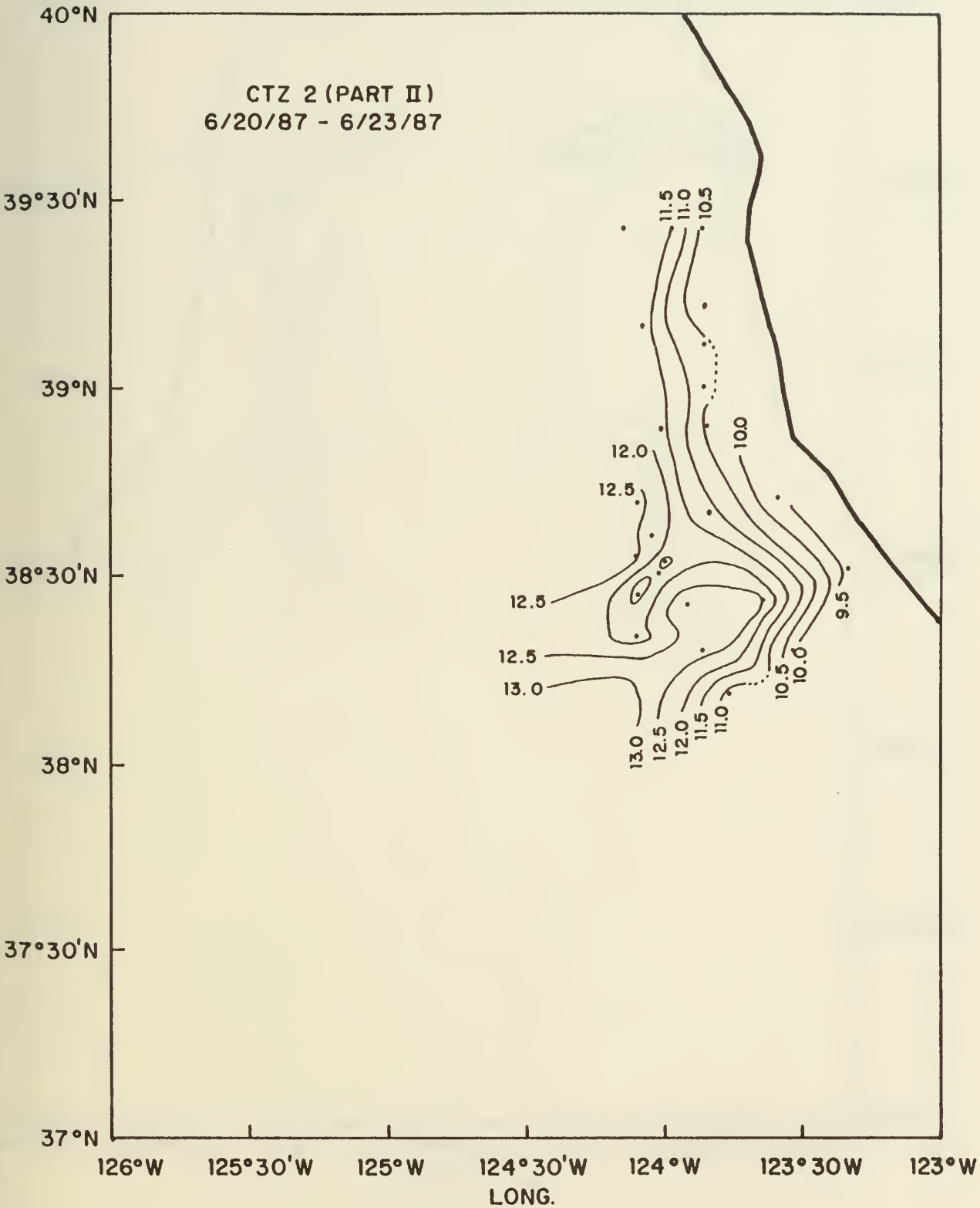



Figure 11. Map of surface temperature during part II of cruise CTZ2, June 20-23, 1987.

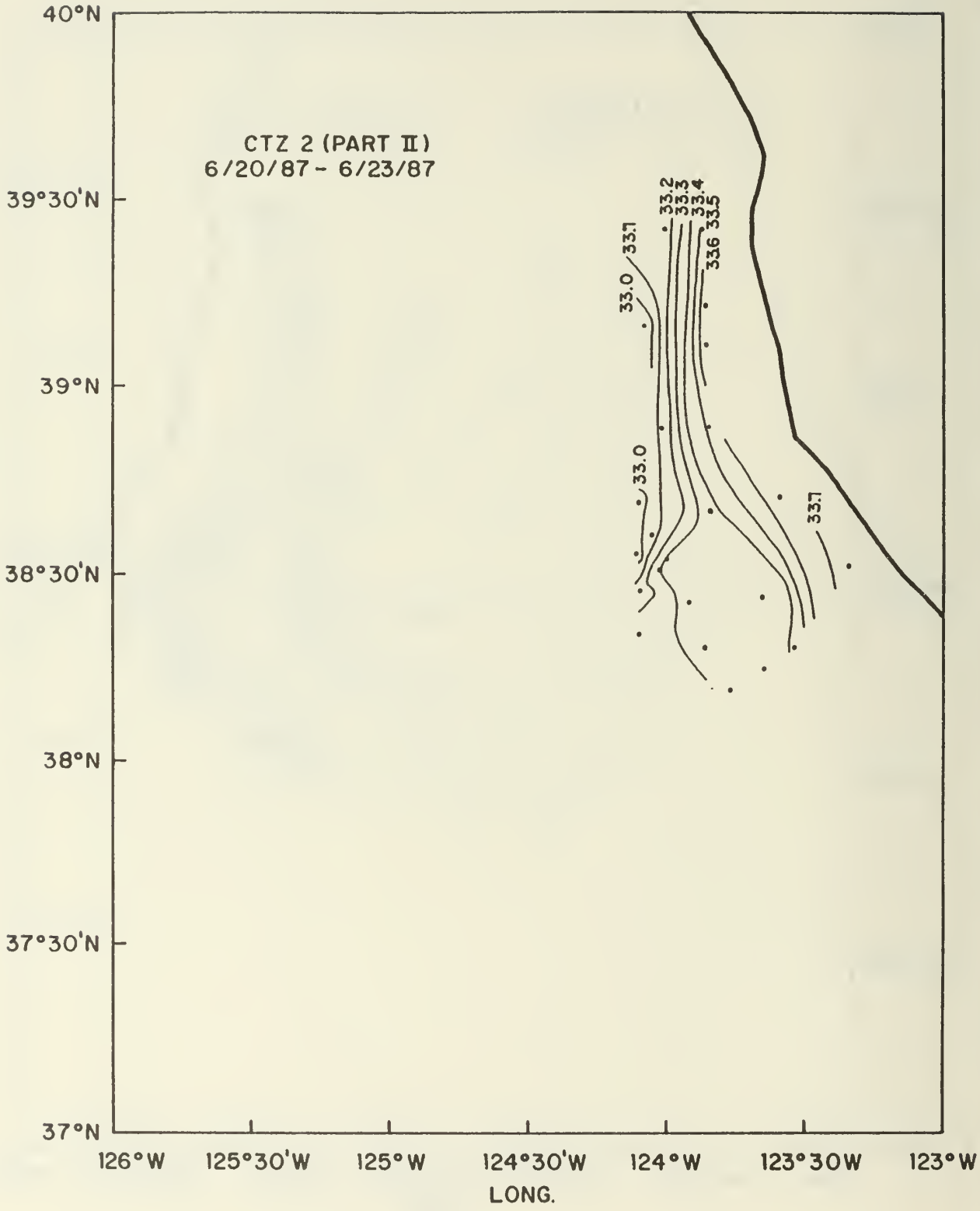



Figure 12. Map of surface salinity during part II of cruise CTZ2, June 20-23, 1987.

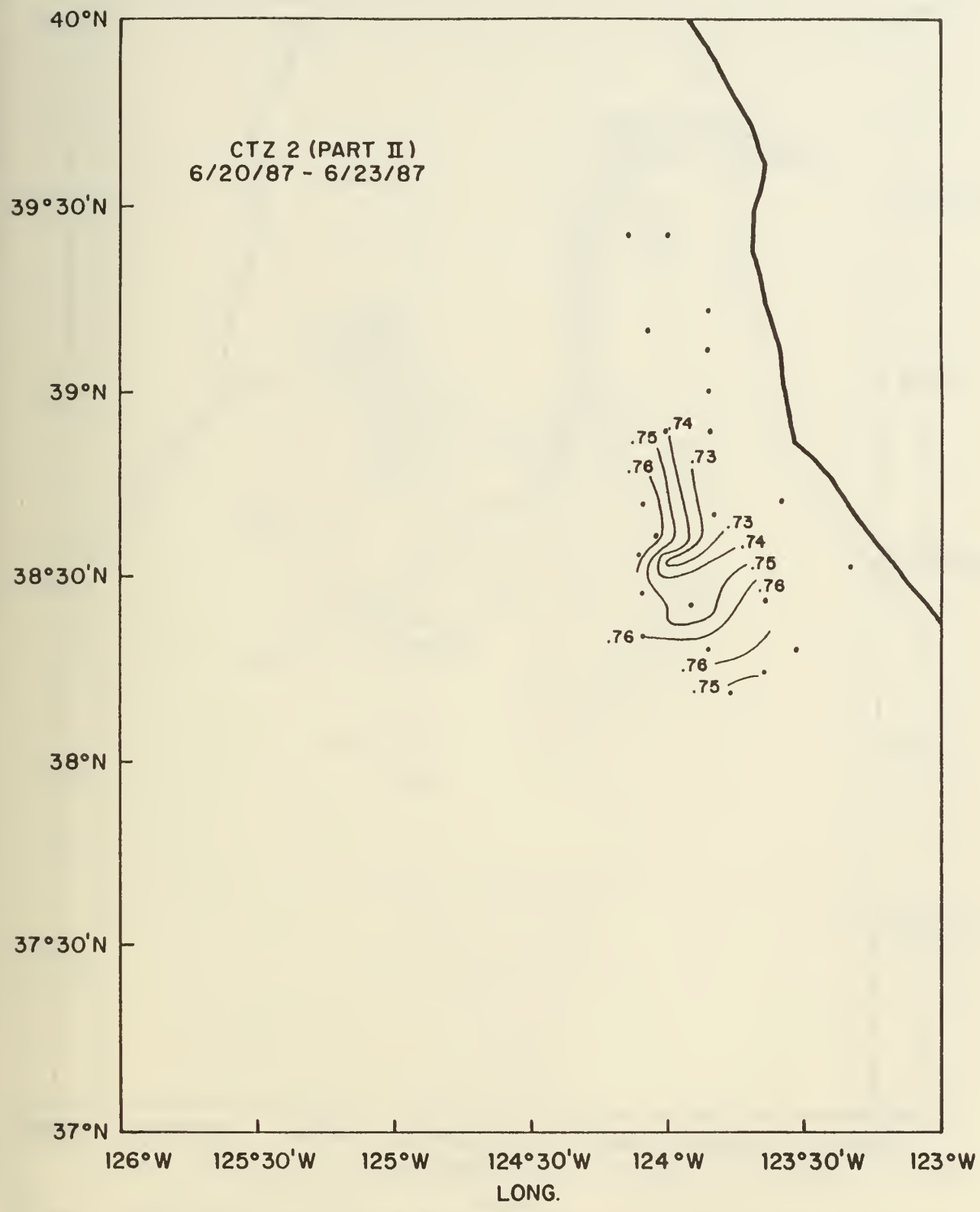



Figure 13. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part II of cruise CTZ2, June 20-23, 1987.

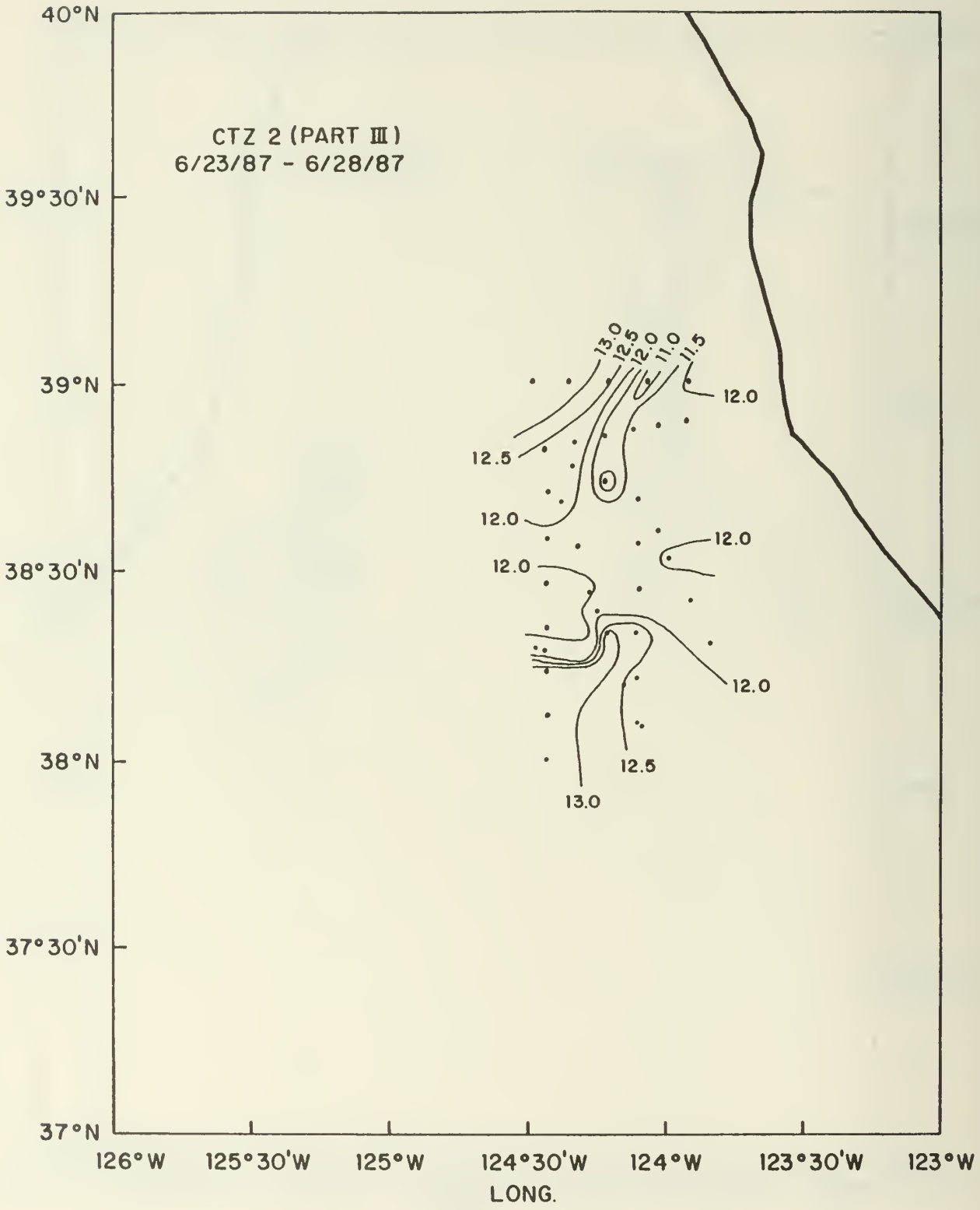



Figure 14. Map of surface temperature during part III of cruise CTZ2, June 23-28, 1987.

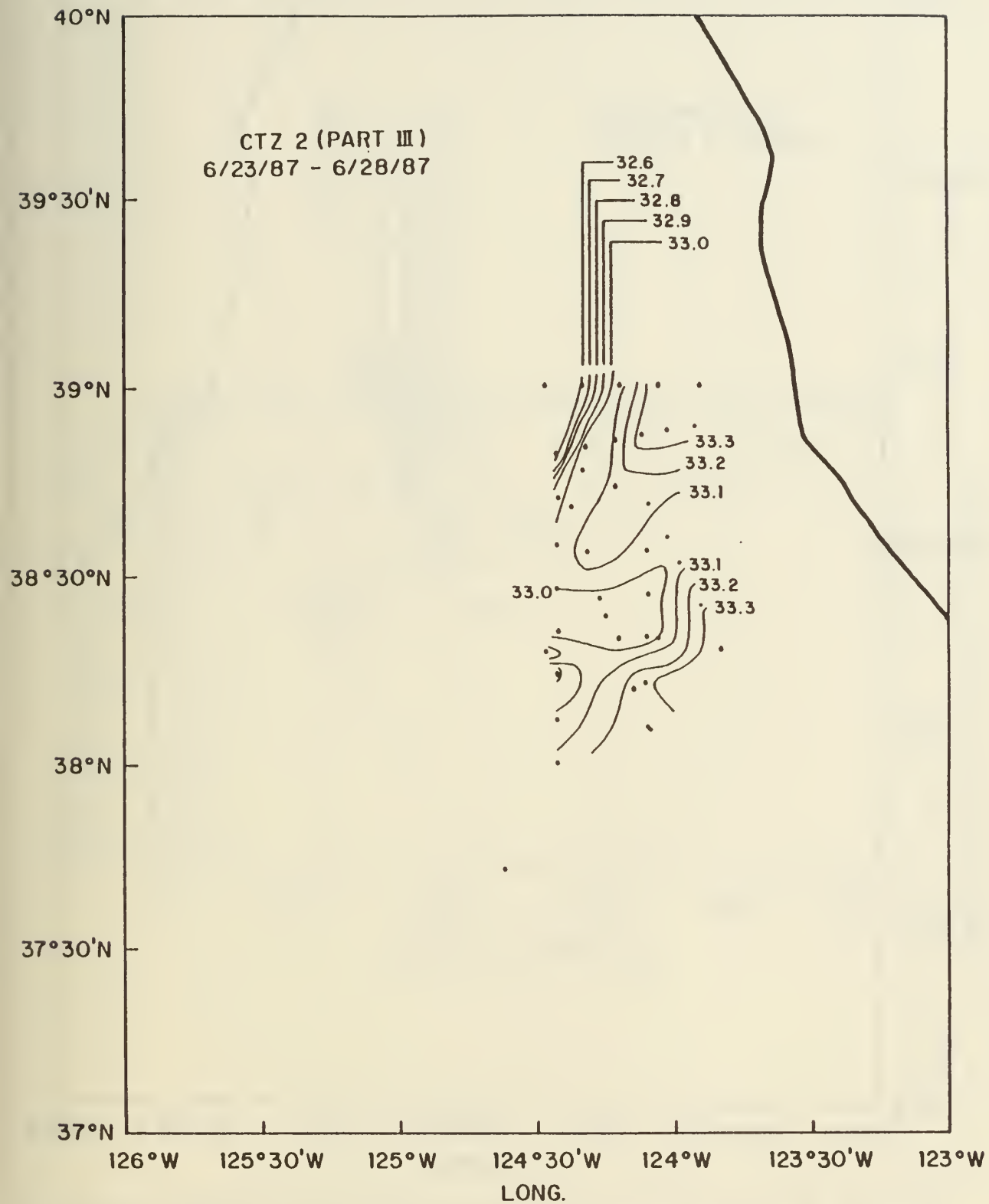



Figure 15. Map of surface salinity during part III of cruise CTZ2, June 23-28, 1987.

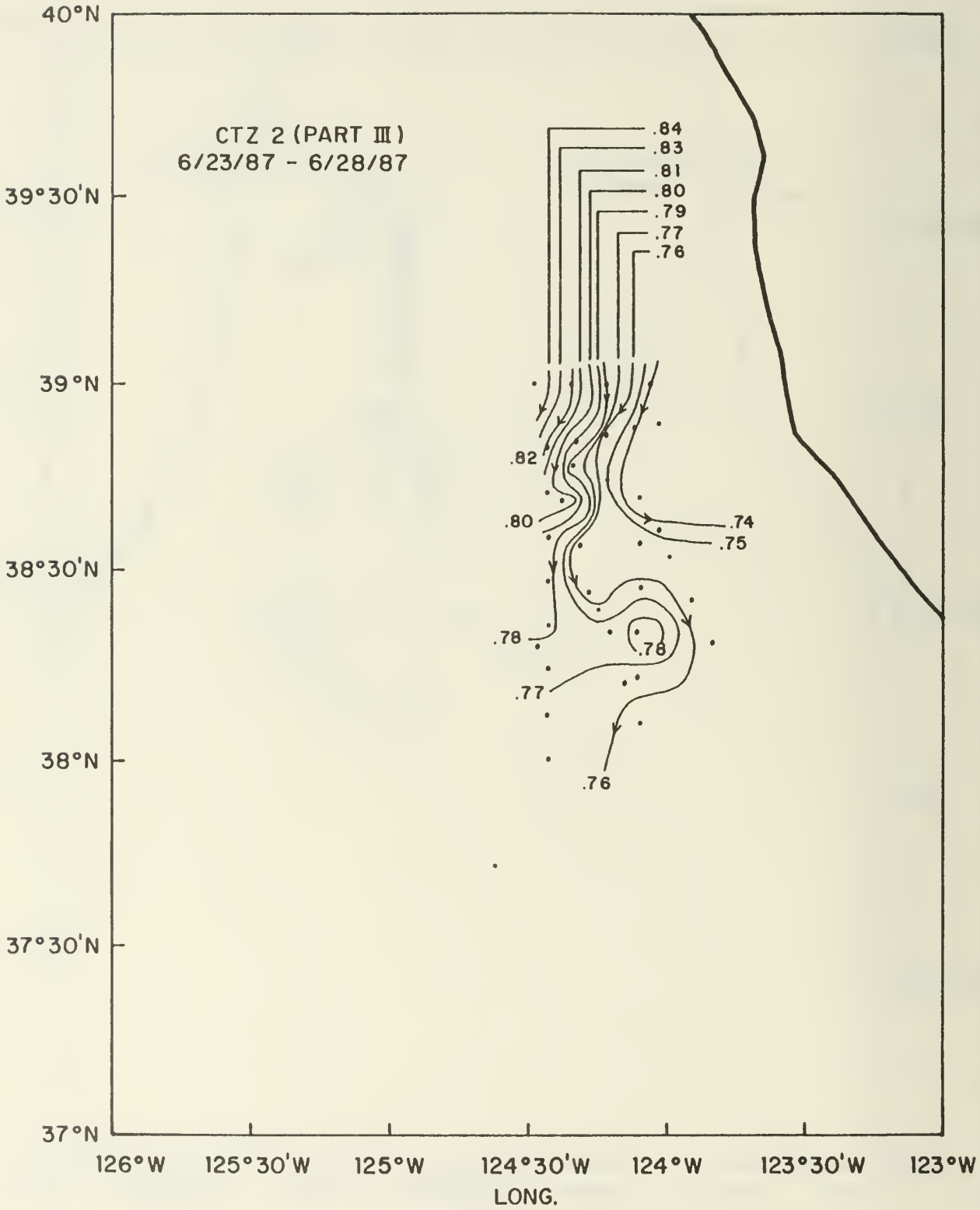



Figure 16. Map of the dynamic height (dyn. m) at the sea surface relative to 500 db during part III of cruise CTZ2, June 23-28, 1987.

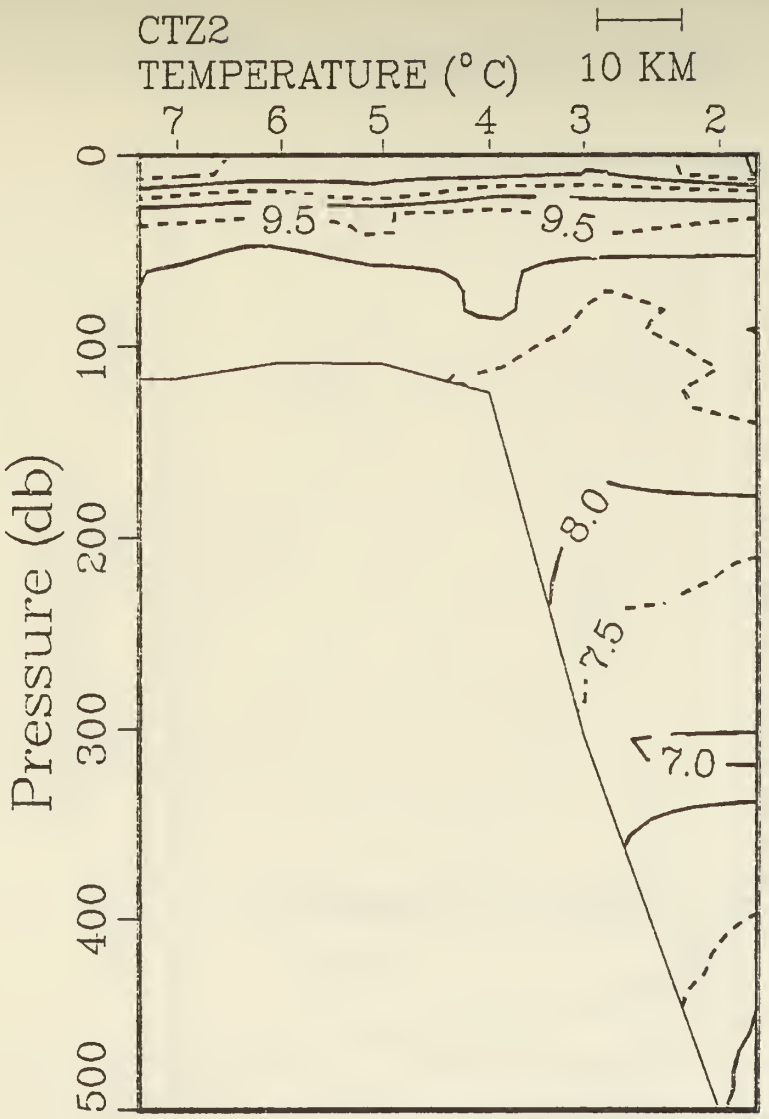



Figure 17. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 2-7 of part I.

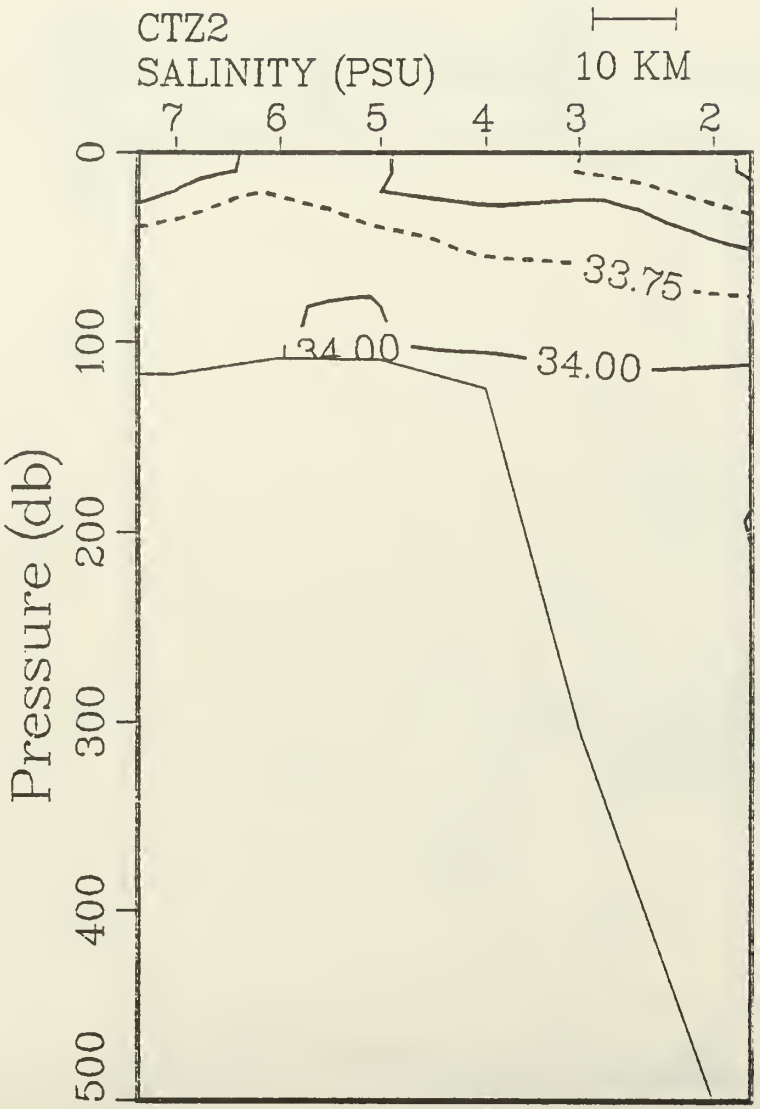

CTZ2
SALINITY (PSU)
10 KM
7
6
5
4
3
2
0
100
200
300
400
500
Pressure (db)
33.75
34.00
34.00

Figure 17b.

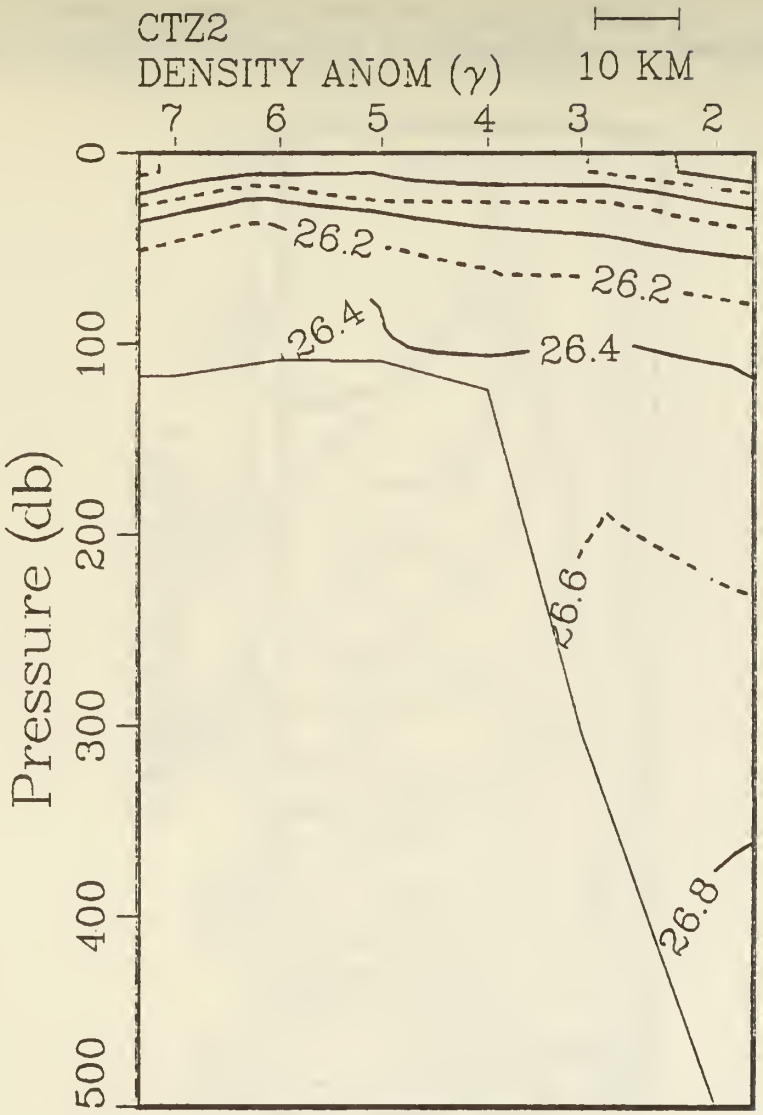

CTZ2
DENSITY ANOM (γ)
10 KM
7
6
5
4
3
2
0
100
200
300
400
500
Pressure (db)
26.2
26.2
26.4
26.4
26.6
26.8

Figure 17c.

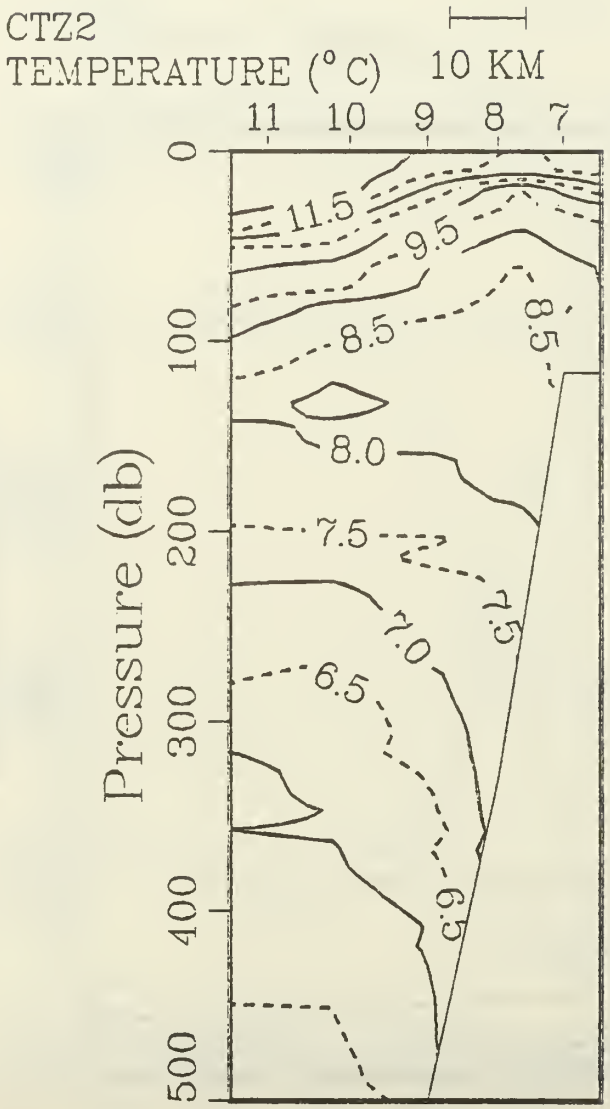



Figure 18. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 7-11 of part I.

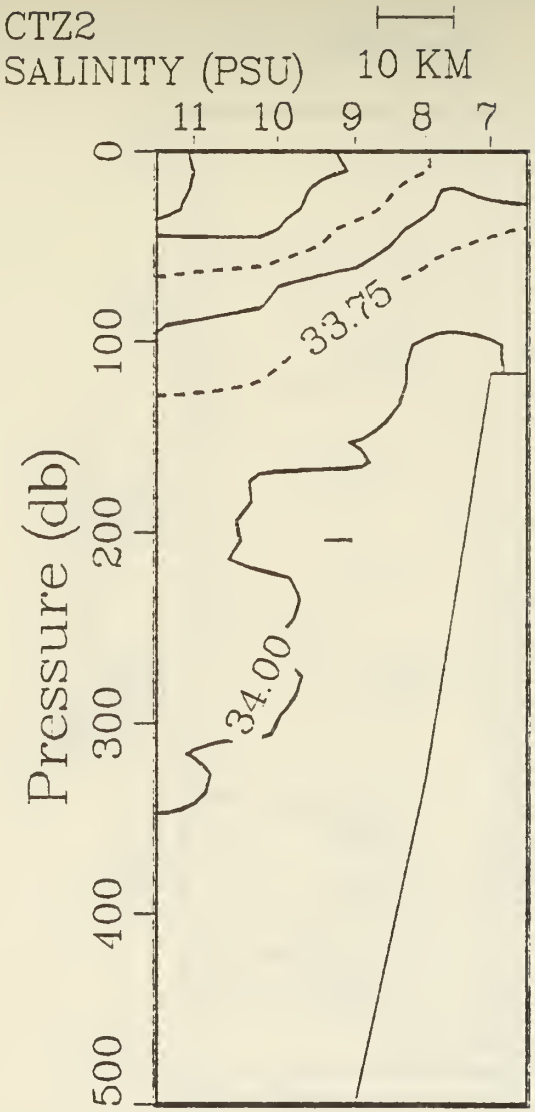

CTZ2
SALINITY (PSU)
10 KM
11
10
9
8
7
0
100
200
300
400
500
Pressure (db)
33.75
34.00

Figure 18b.

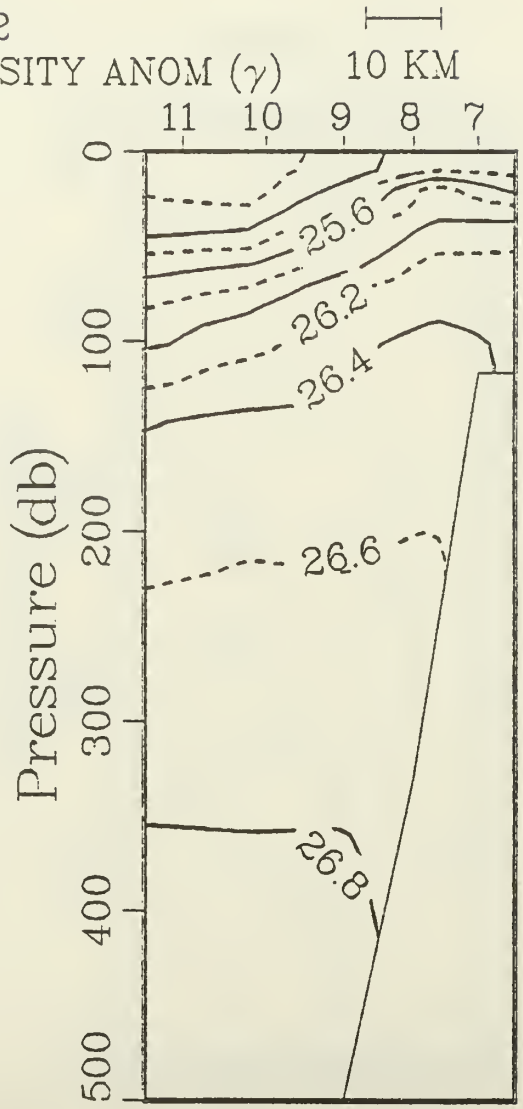

CTZ2
DENSITY ANOM (γ)
10 KM
11
10
9
8
7
0
100
200
300
400
500
Pressure (db)
25.6
26.2
26.4
26.6
26.8

Figure 18c.

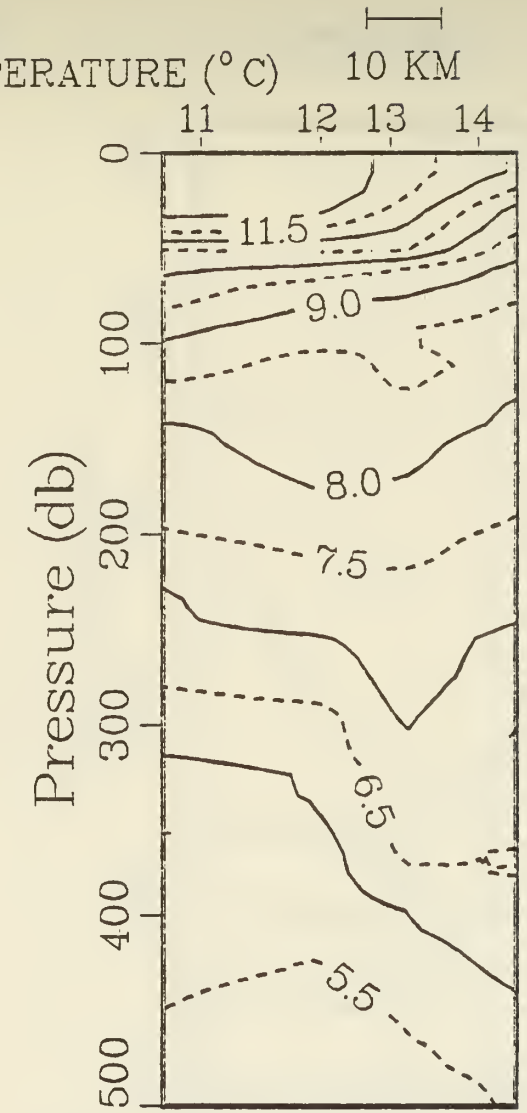



Figure 19. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 11-14 of part I.

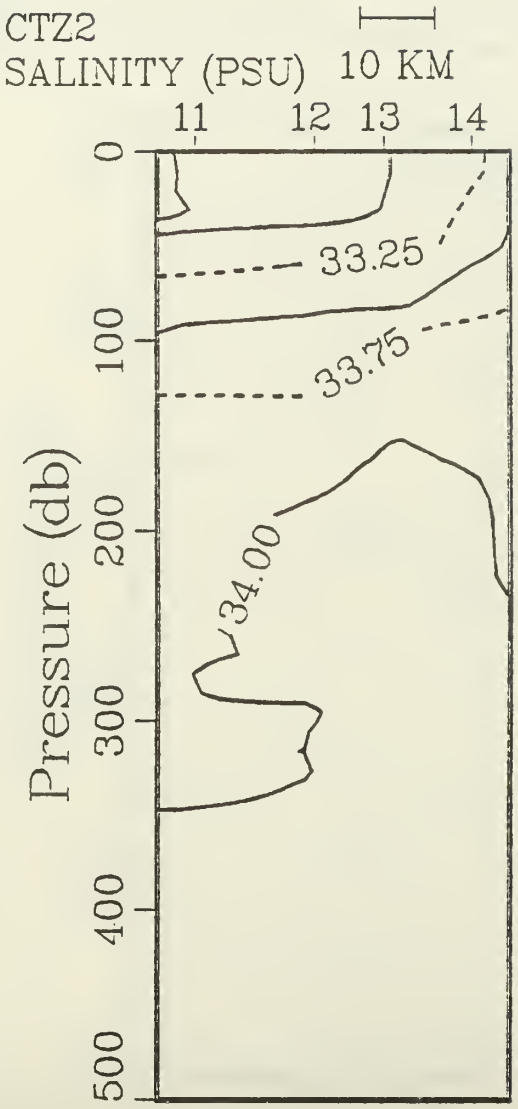

CTZ2
SALINITY (PSU)
10 KM
11
12
13
14
0
100
200
300
400
500
Pressure (db)
33.25
33.75
34.00

Figure 19b.

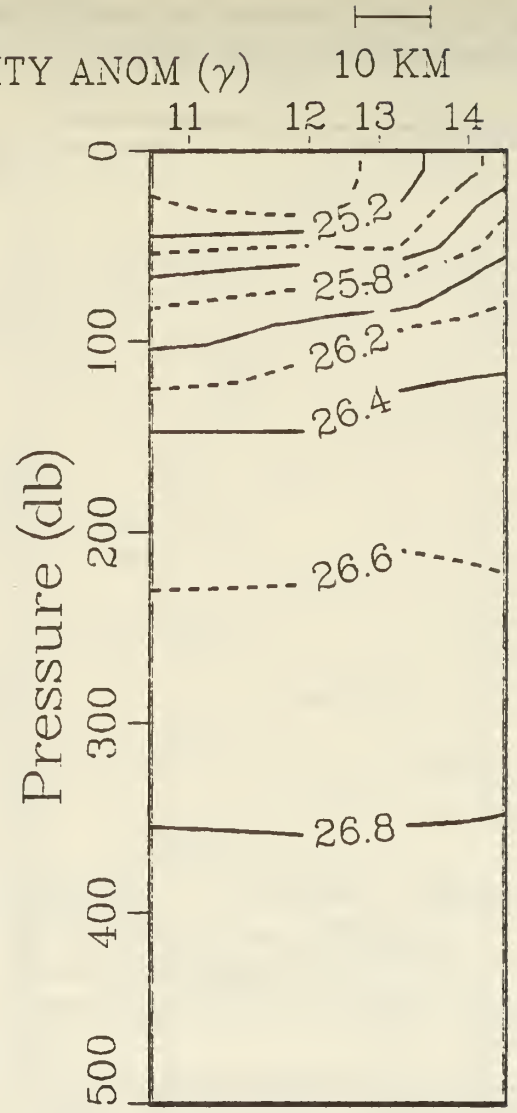

CTZ2
DENSITY ANOM (γ)
10 KM
11
12
13
14
0
100
200
300
400
500
Pressure (db)
25.2
25.8
26.2
26.4
26.6
26.8

Figure 19c.

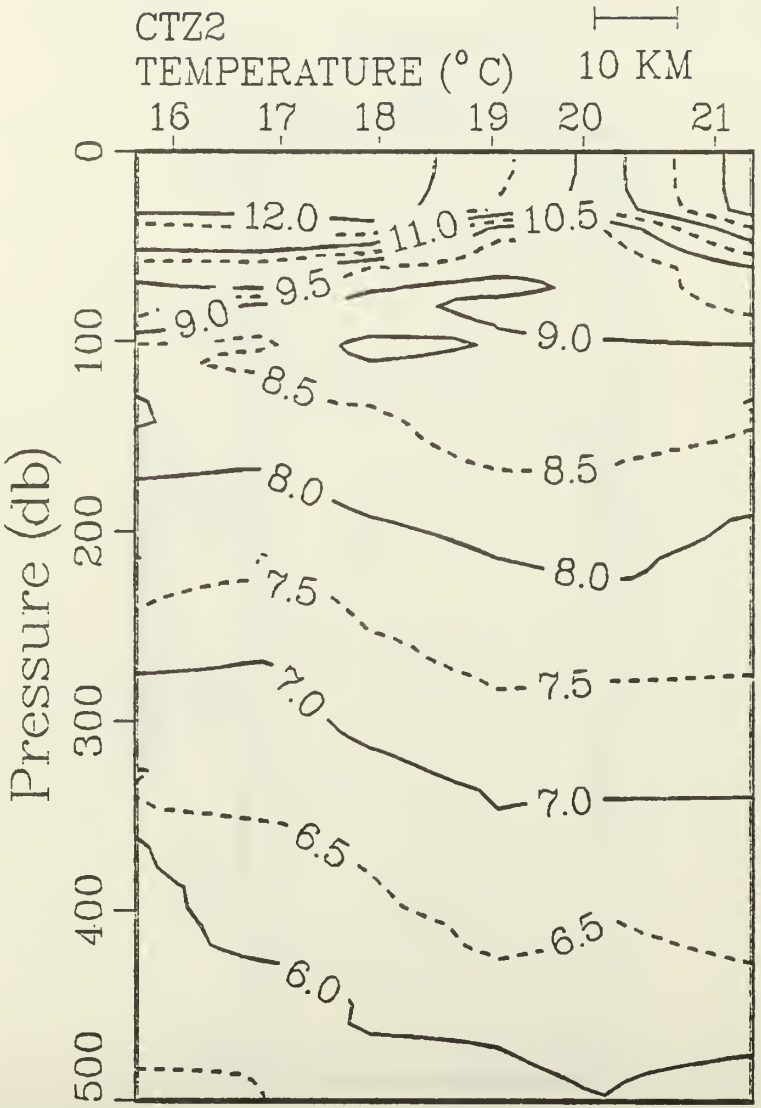



Figure 20. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 16-21 of part I.

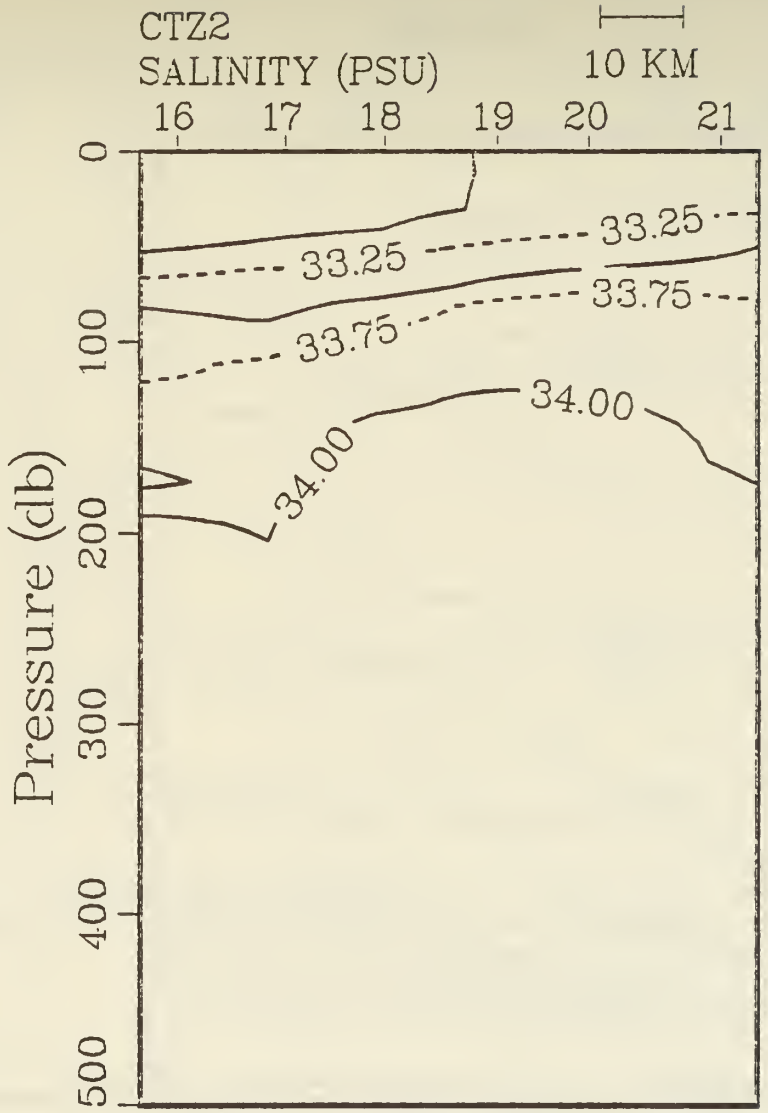

CTZ2
SALINITY (PSU)
10 KM
16
17
18
19
20
21
0
100
200
300
400
500
Pressure (db)
33.25
33.25
33.75
33.75
34.00
34.00

Figure 20b.

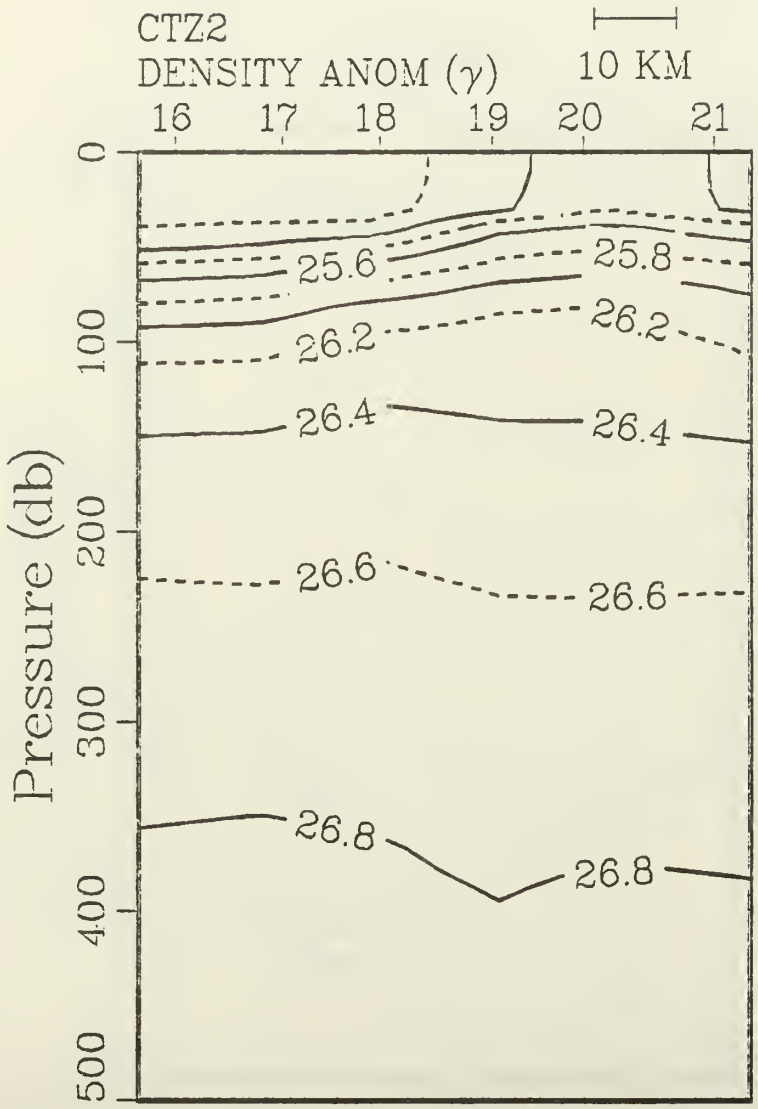

CTZ2
DENSITY ANOM (γ)
10 KM
16
17
18
19
20
21
0
100
200
300
400
500
Pressure (db)
25.6
25.8
26.2
26.2
26.4
26.4
26.6
26.6
26.8
26.8

Figure 20c.

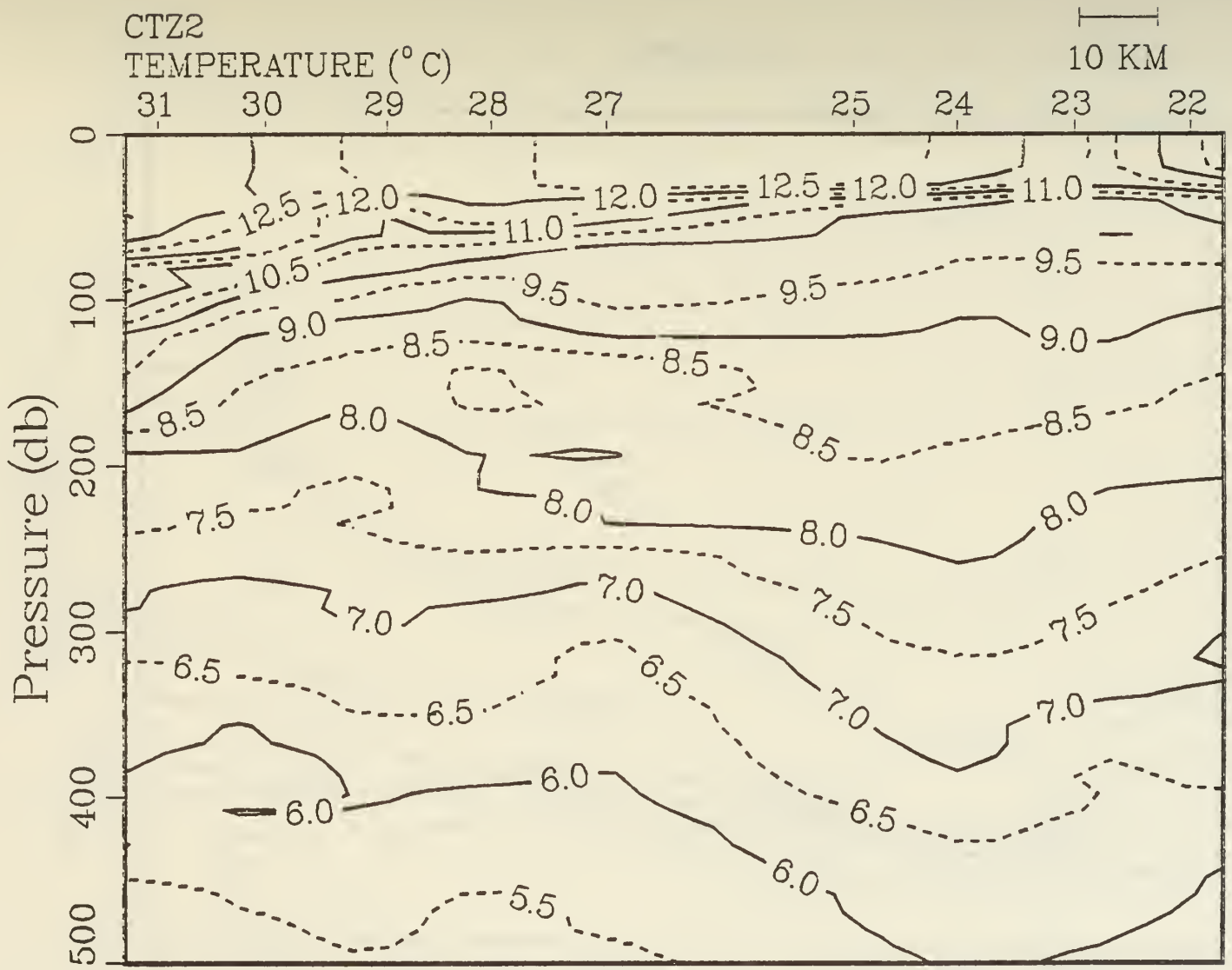



Figure 21. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 22-25 and 27-31 of part I.

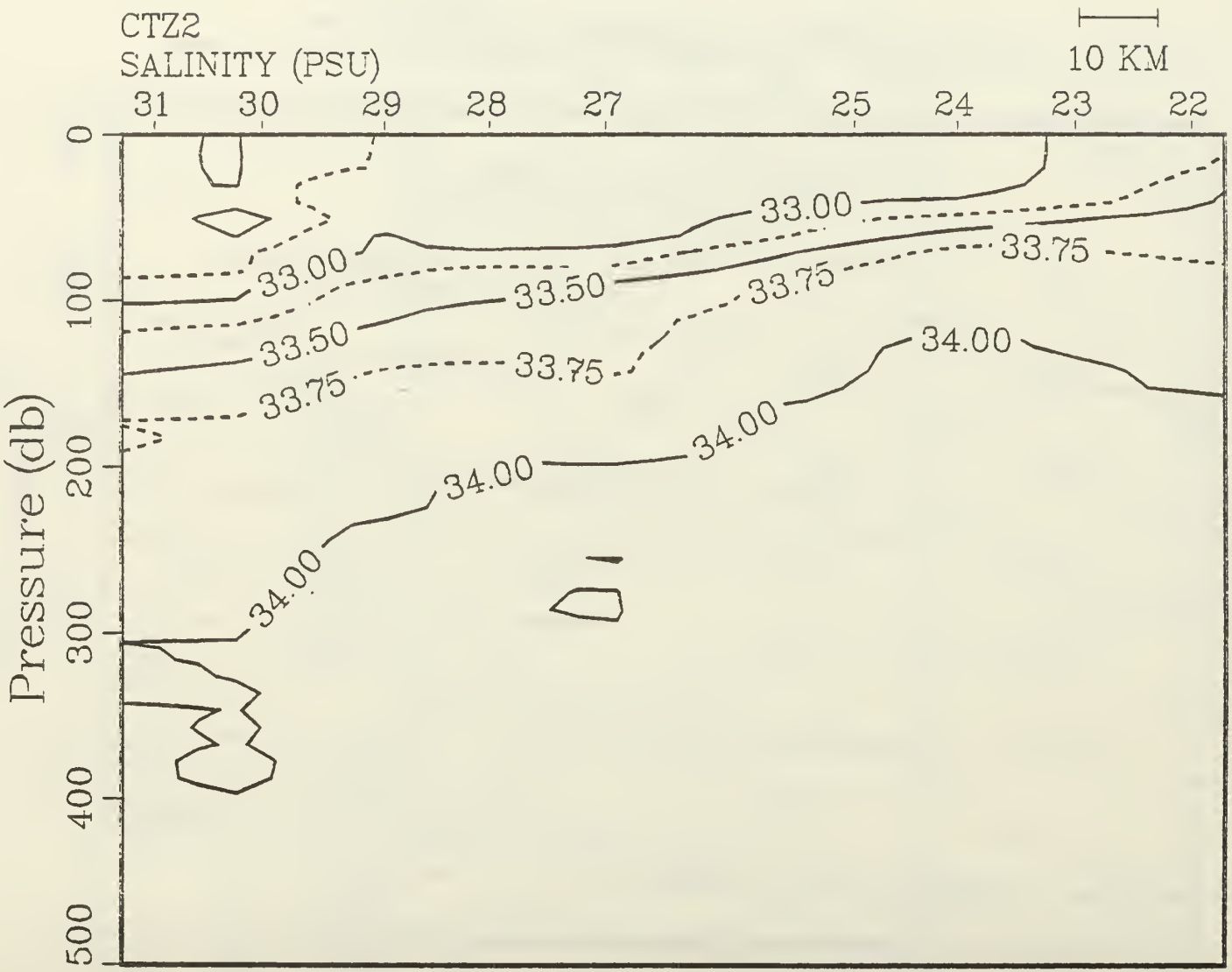

CTZ2
SALINITY (PSU)
10 KM
31
30
29
28
27
25
24
23
22
0
100
200
300
400
500
Pressure (db)
33.00
33.00
33.50
33.50
33.75
33.75
33.75
33.75
34.00
34.00
34.00
34.00

Figure 21b.

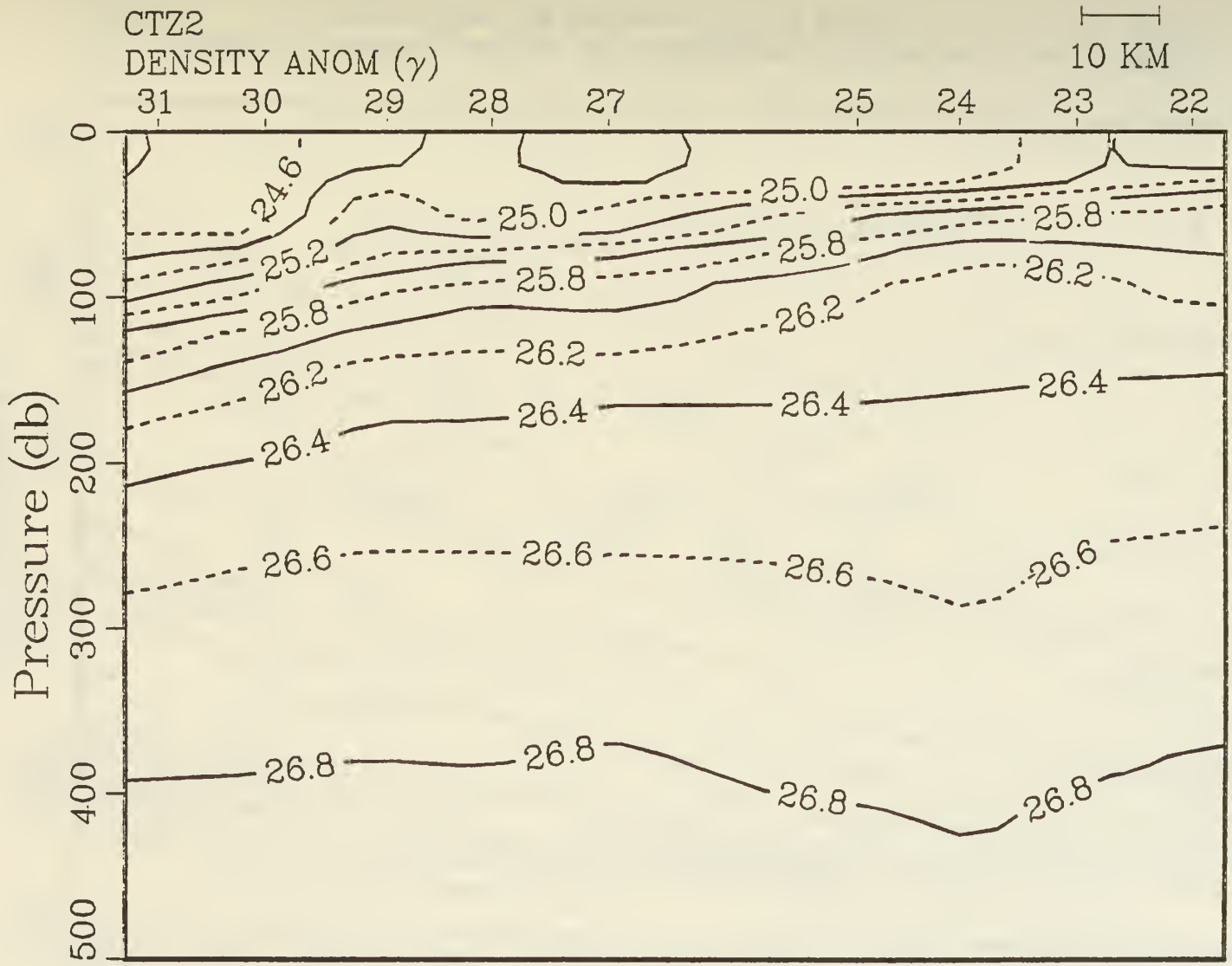

CTZ2
DENSITY ANOM (γ)
10 KM
31
30
29
28
27
25
24
23
22
0
100
200
300
400
500
Pressure (db)
24.6
25.0
25.2
25.8
26.2
26.4
26.6
26.8

Figure 21c.

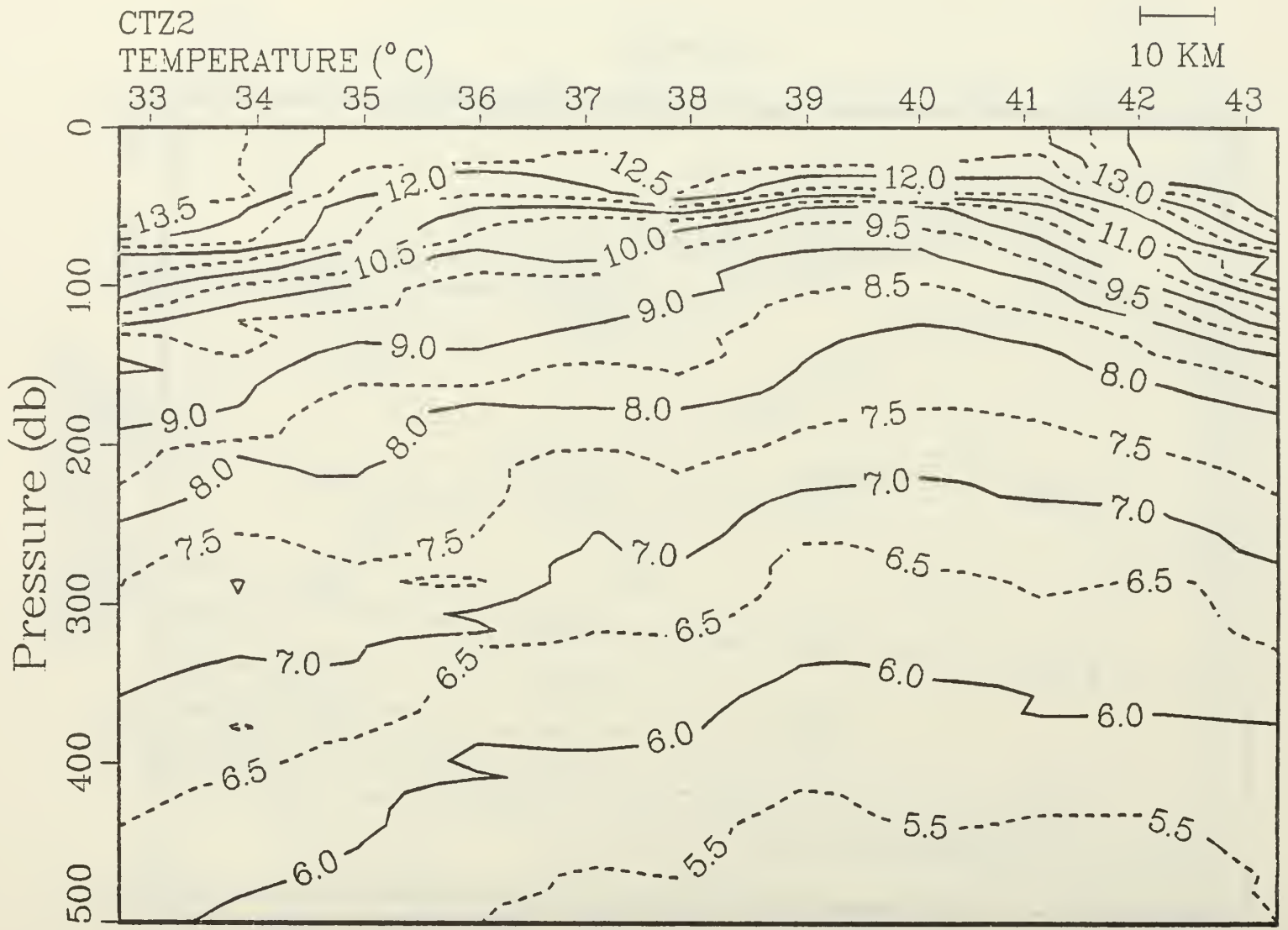



Figure 22. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 33-43 of part I.

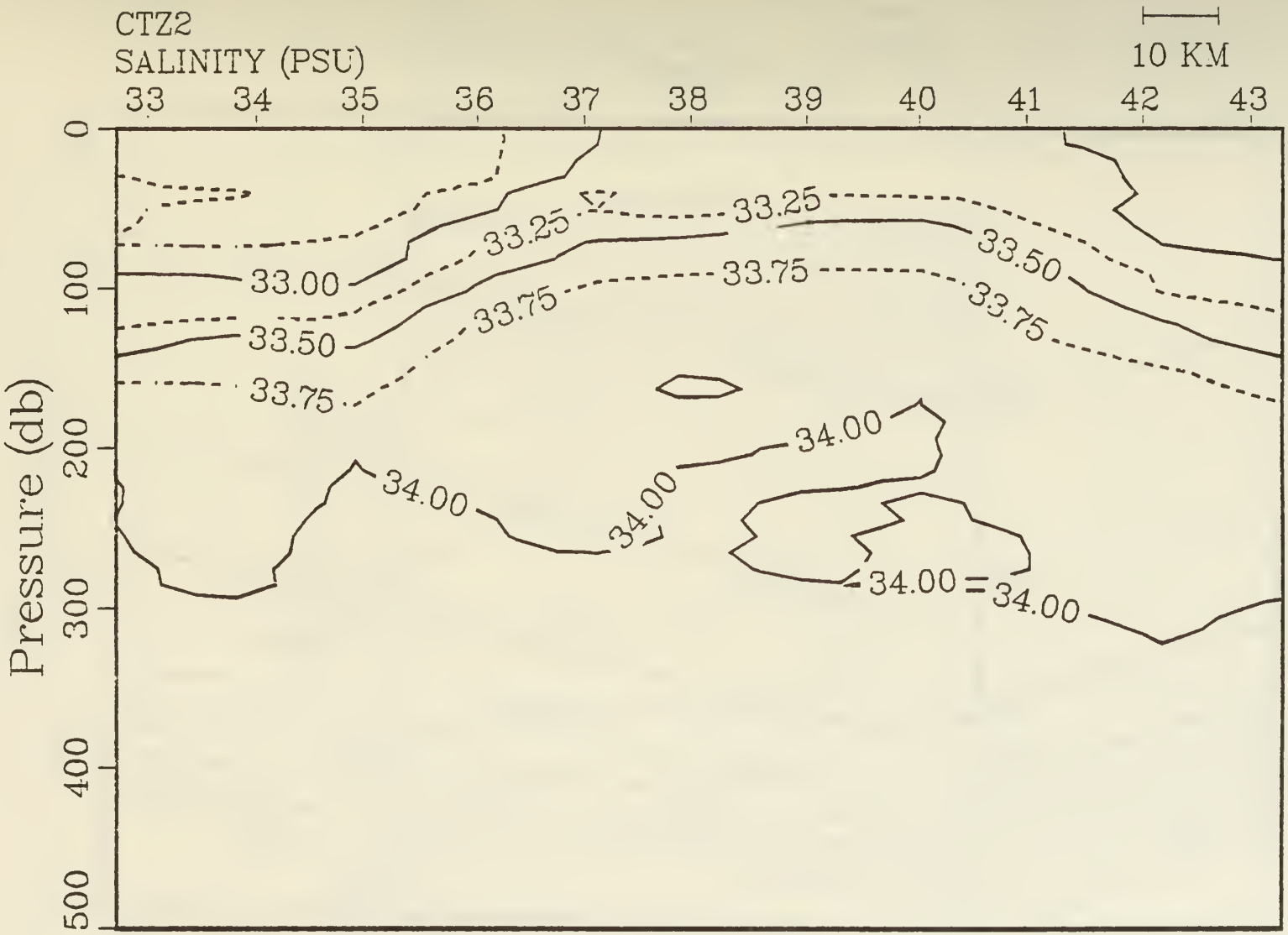

CTZ2
SALINITY (PSU)
33
34
35
36
37
38
39
40
41
42
43
10 KM
Pressure (db)
0
100
200
300
400
500
33.00
33.25
33.25
33.50
33.75
33.75
33.50
33.75
34.00
34.00
34.00
34.00

Figure 22b.

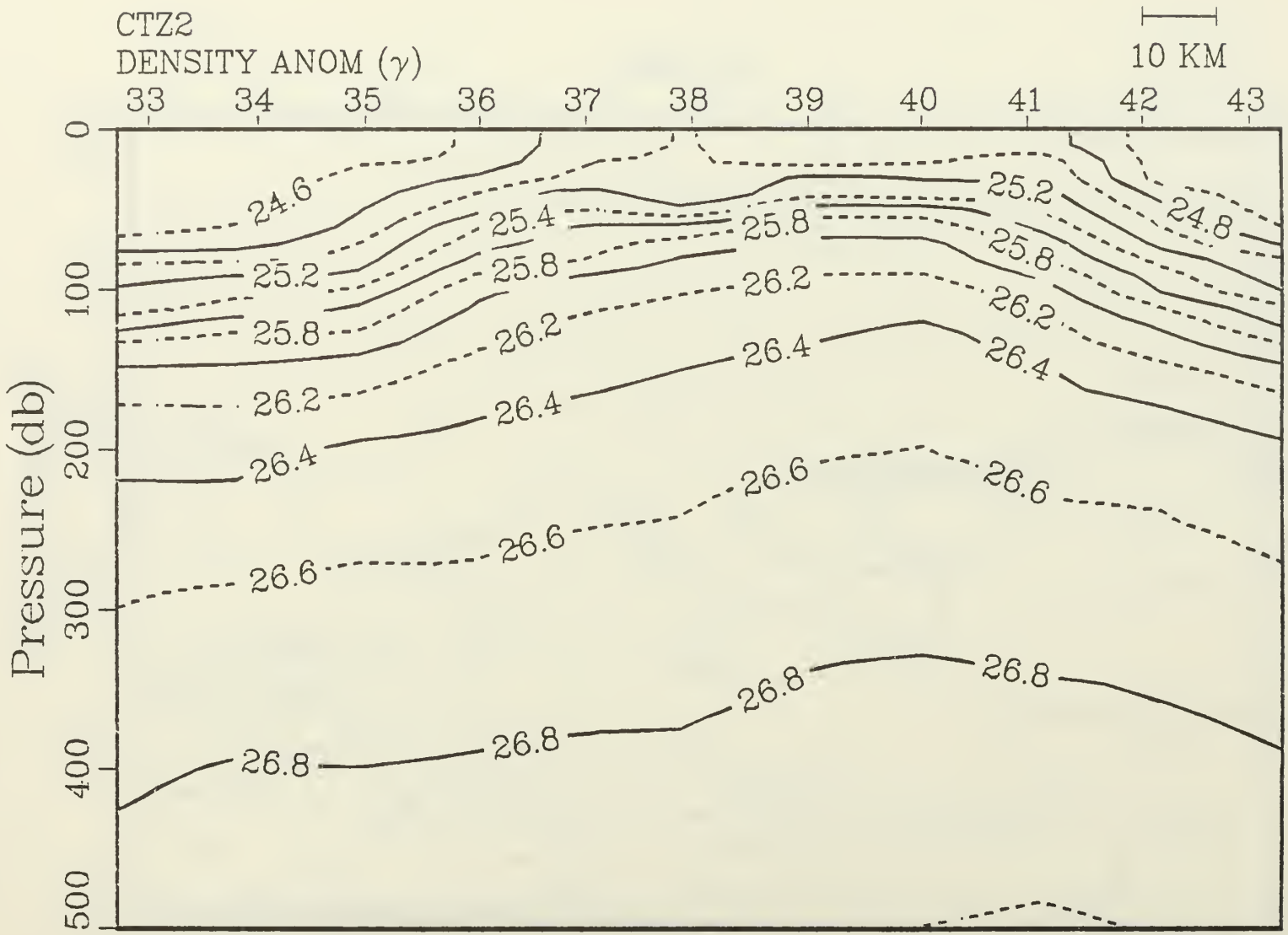

CTZ2
DENSITY ANOM (γ)
10 KM
33
34
35
36
37
38
39
40
41
42
43
0
100
200
300
400
500
Pressure (db)
24.6
25.2
25.4
25.8
26.2
26.4
26.6
26.8
24.8

Figure 22c.

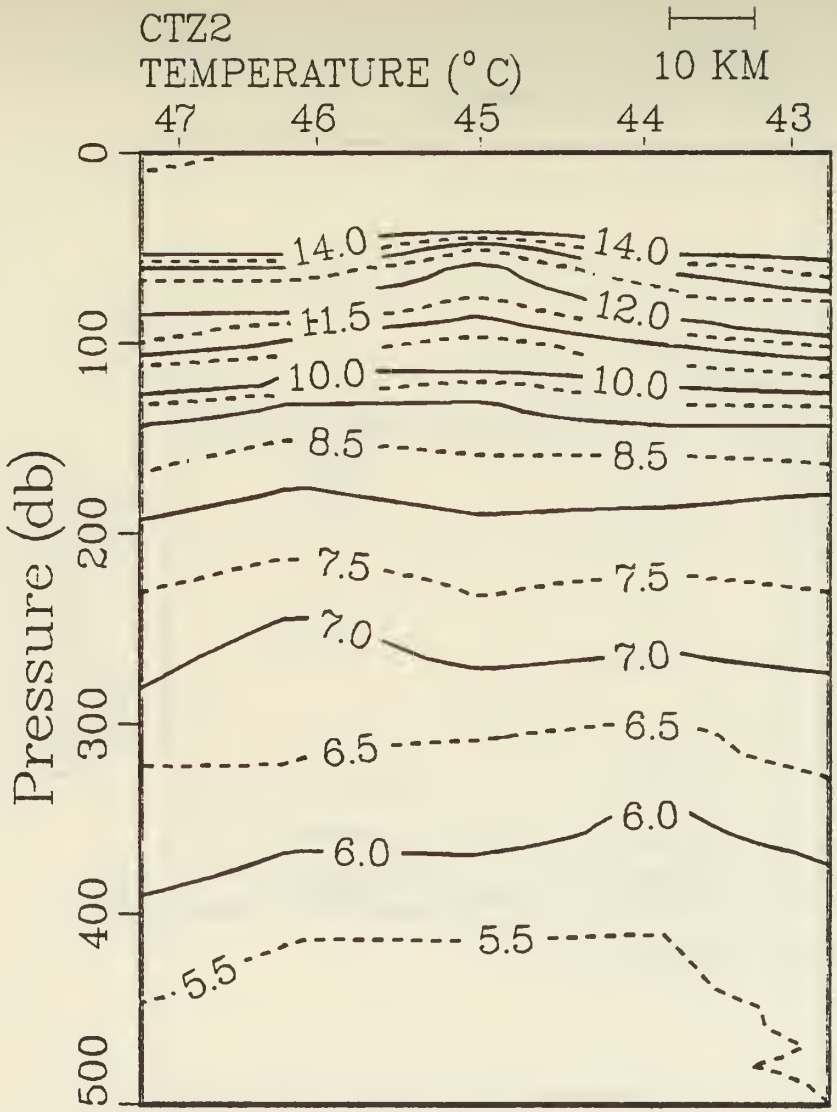



Figure 23. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 43-47 of part I.

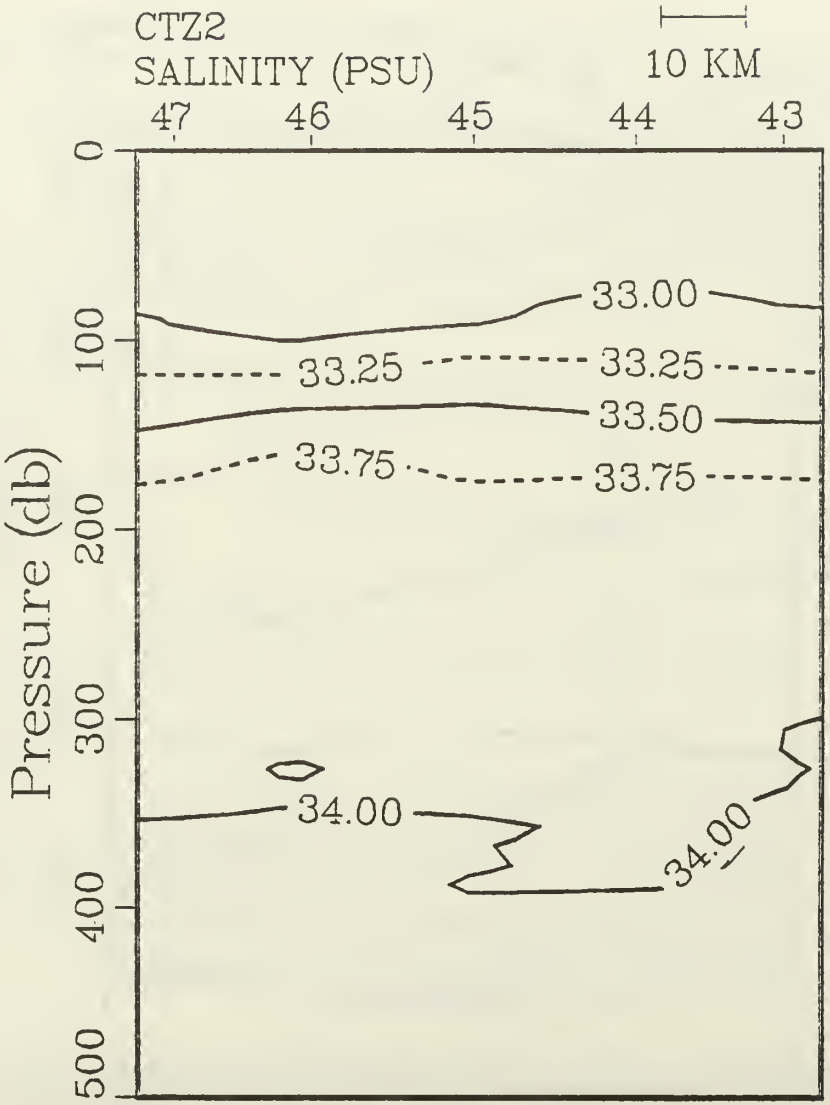

CTZ2
SALINITY (PSU)
10 KM
47
46
45
44
43
0
100
200
300
400
500
Pressure (db)
33.00
33.25
33.25
33.50
33.75
33.75
34.00
34.00

Figure 23b.

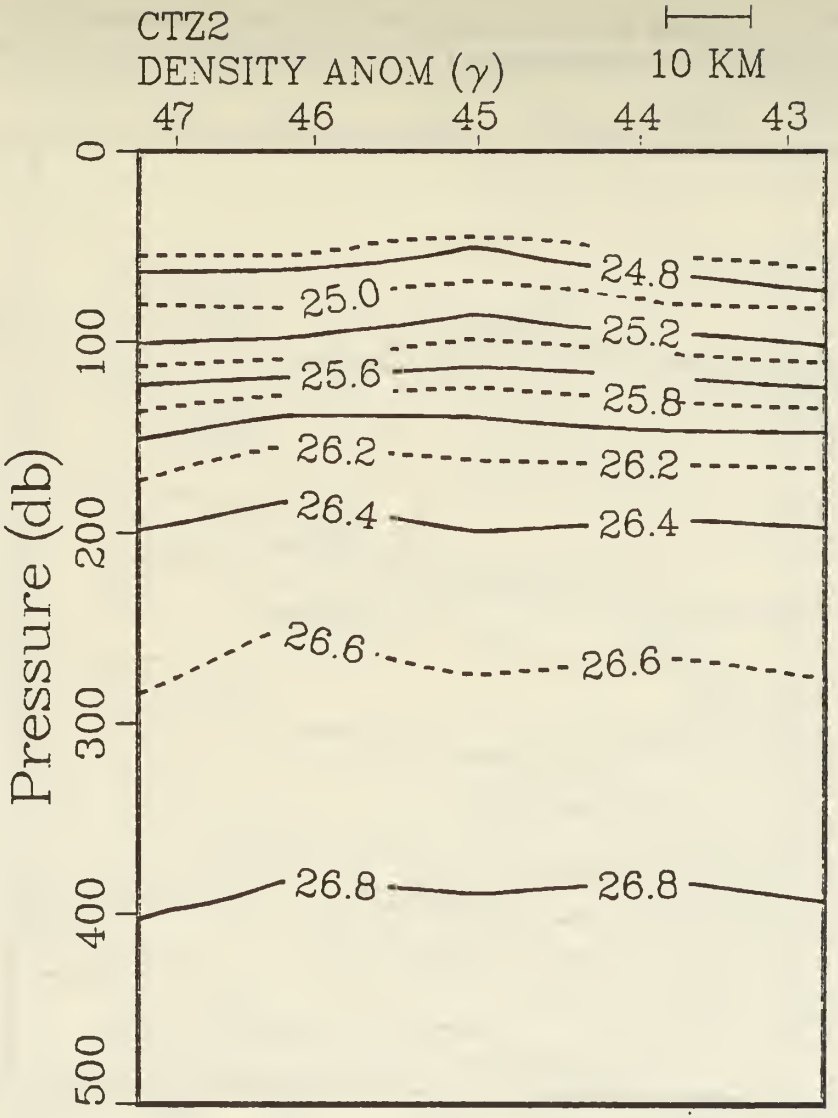

CTZ2
DENSITY ANOM (γ)
10 KM
47
46
45
44
43
0
100
200
300
400
500
Pressure (db)
24.8
25.0
25.2
25.6
25.8
26.2
26.2
26.4
26.4
26.6
26.6
26.8
26.8

Figure 23c.

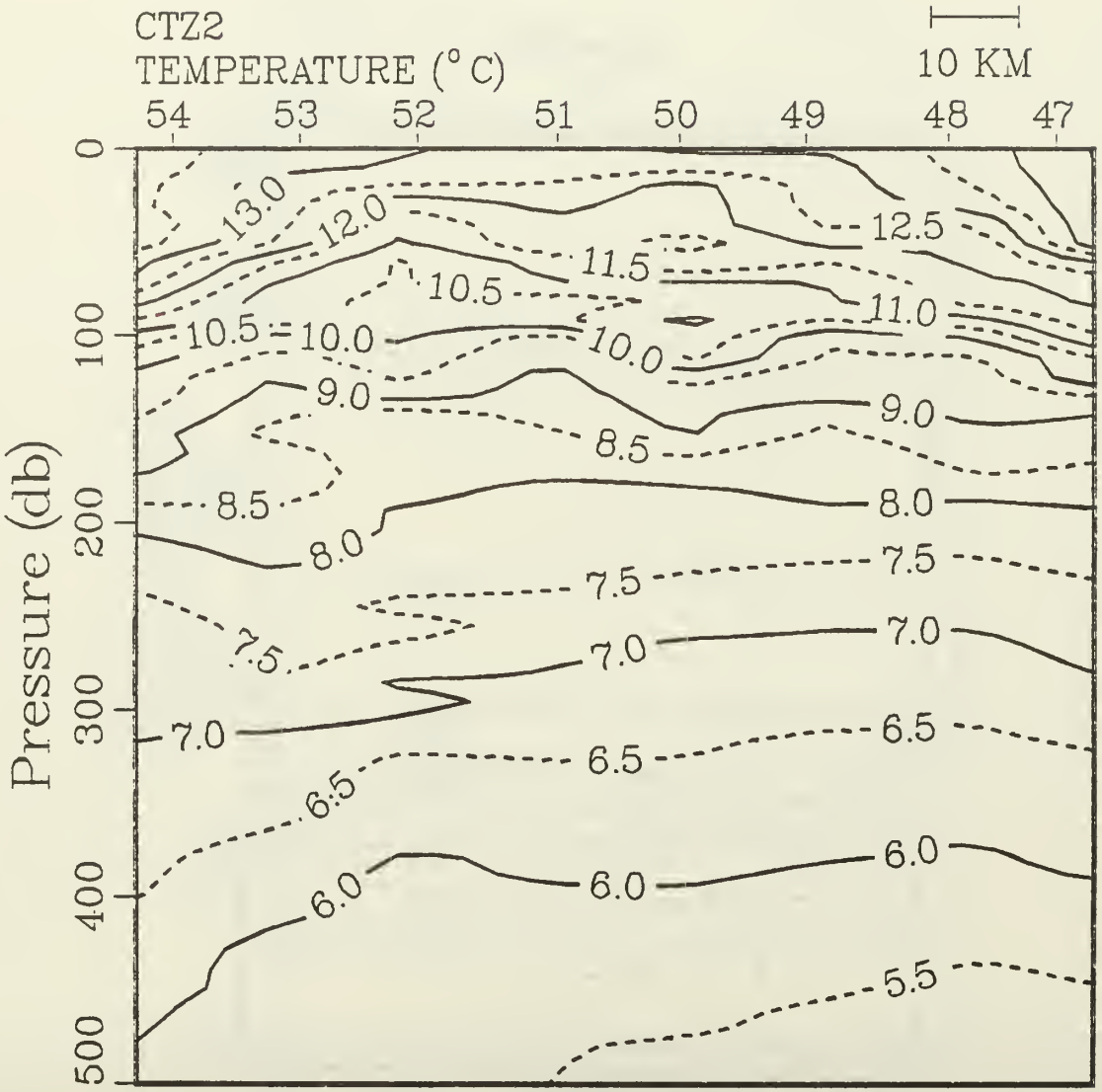



Figure 24. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 47-54 of part I.

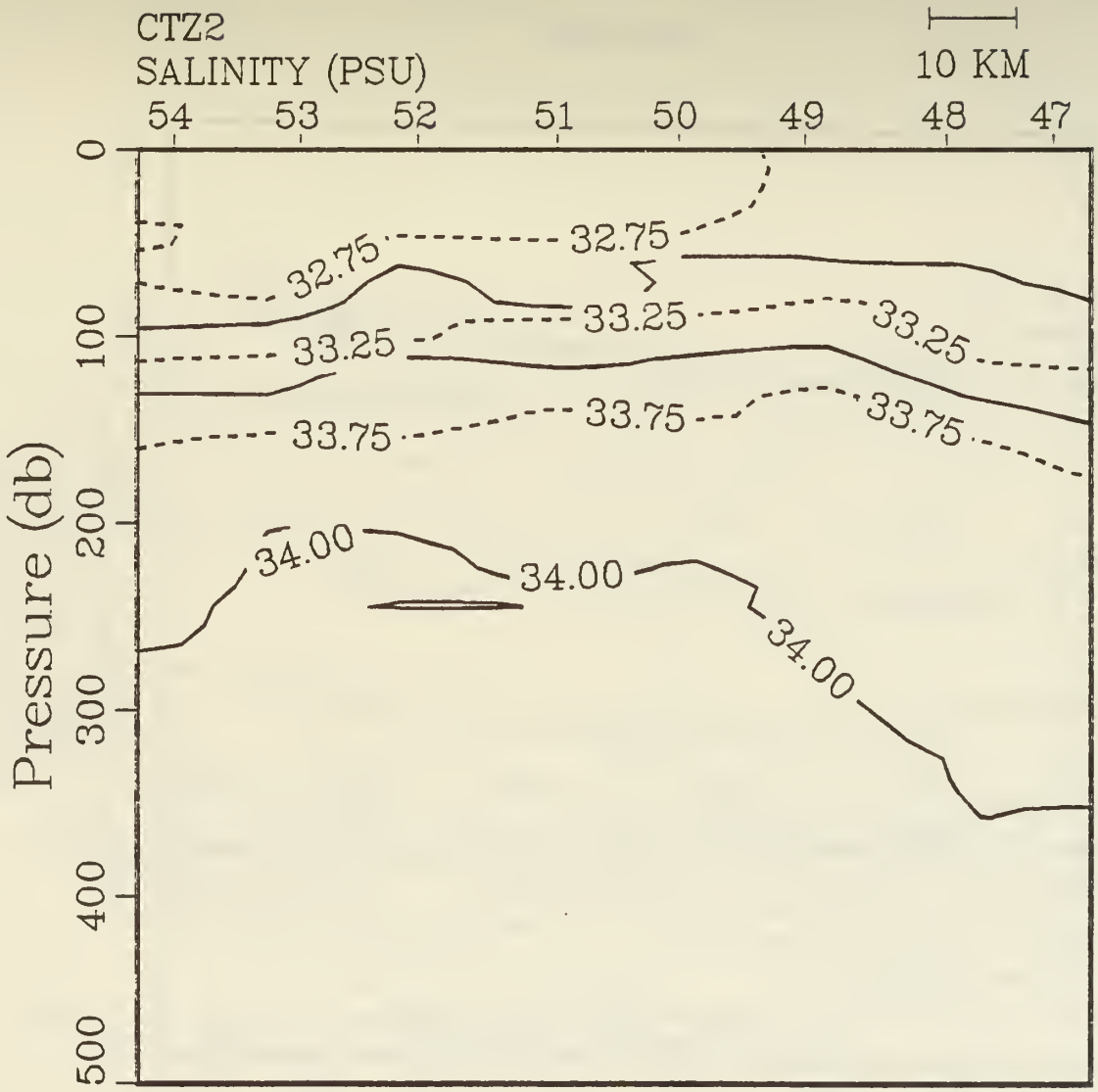

CTZ2
SALINITY (PSU)
10 KM
54
53
52
51
50
49
48
47
0
100
200
300
400
500
Pressure (db)
32.75
32.75
32.75
33.25
33.25
33.25
33.75
33.75
33.75
34.00
34.00
34.00

Figure 24b.

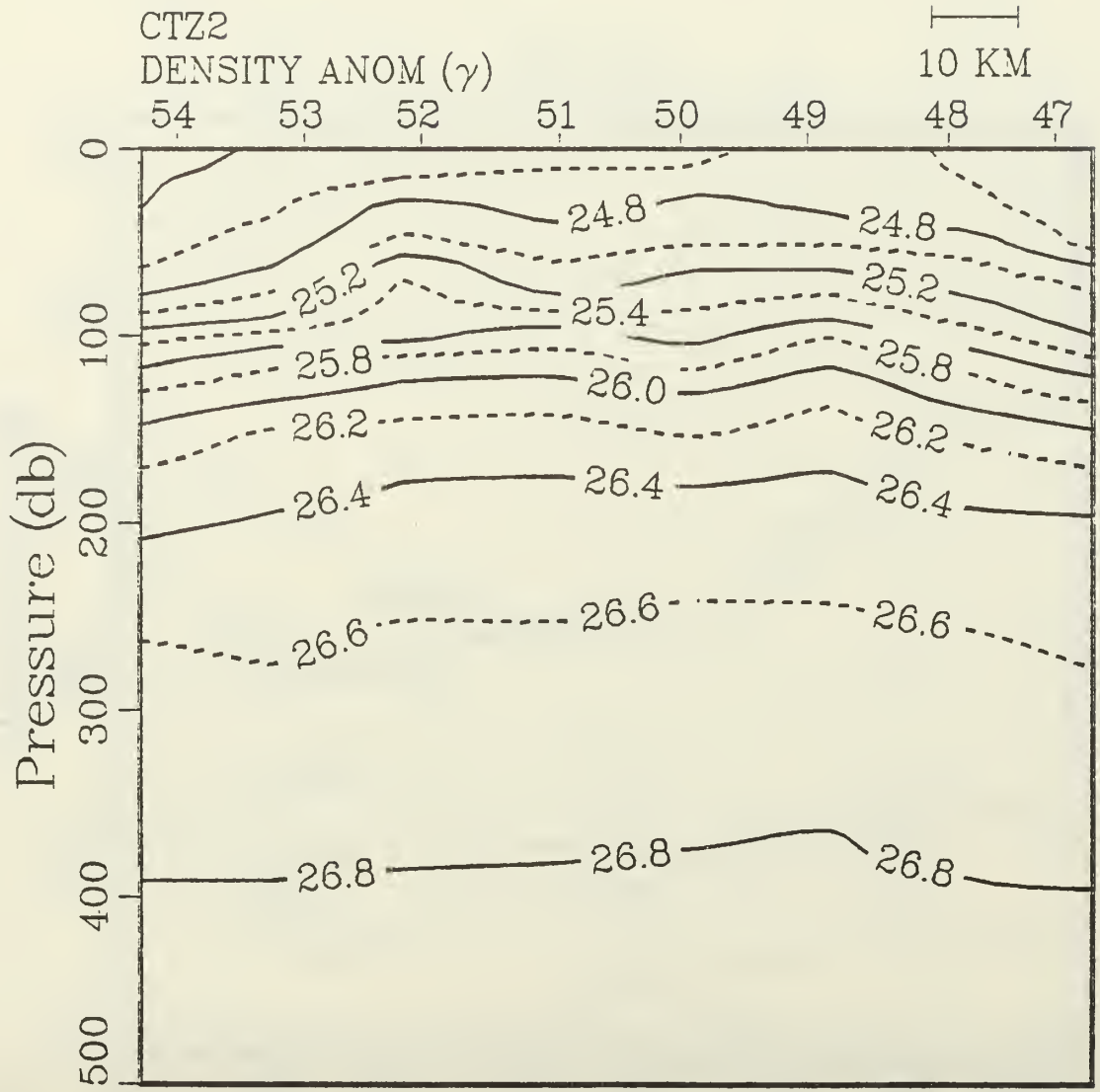

CTZ2
DENSITY ANOM (γ)
10 KM
54
53
52
51
50
49
48
47
0
100
200
300
400
500
Pressure (db)
24.8
24.8
25.2
25.4
25.2
25.8
26.0
25.8
26.2
26.2
26.4
26.4
26.4
26.6
26.6
26.6
26.8
26.8
26.8

Figure 24c.

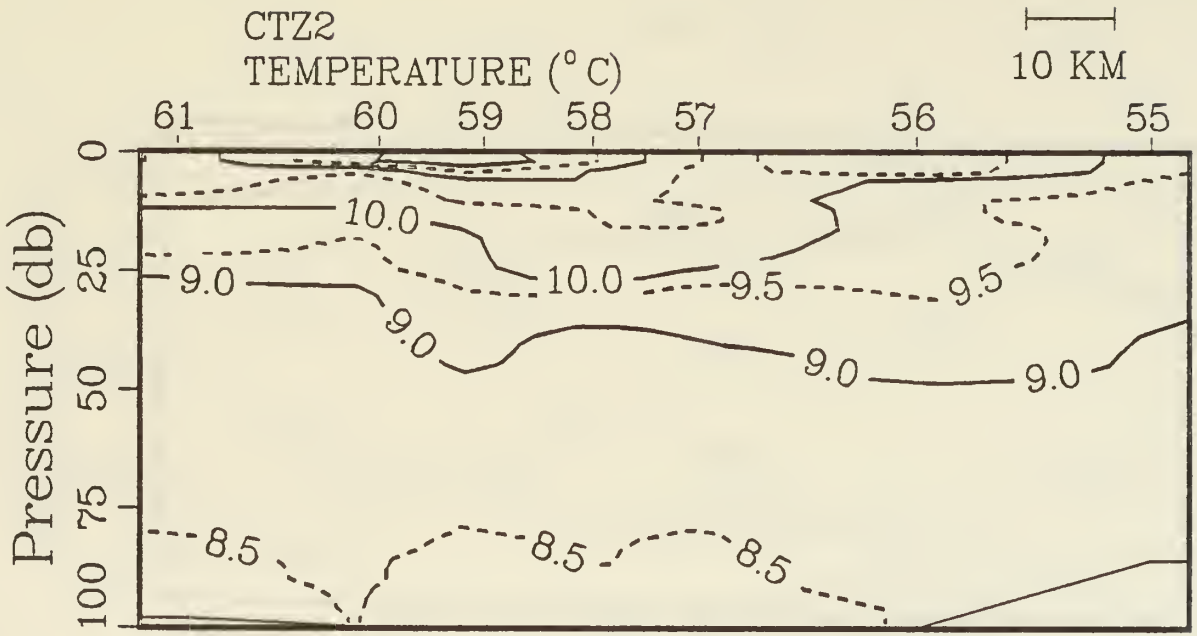



Figure 25. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 55-61 of part II.

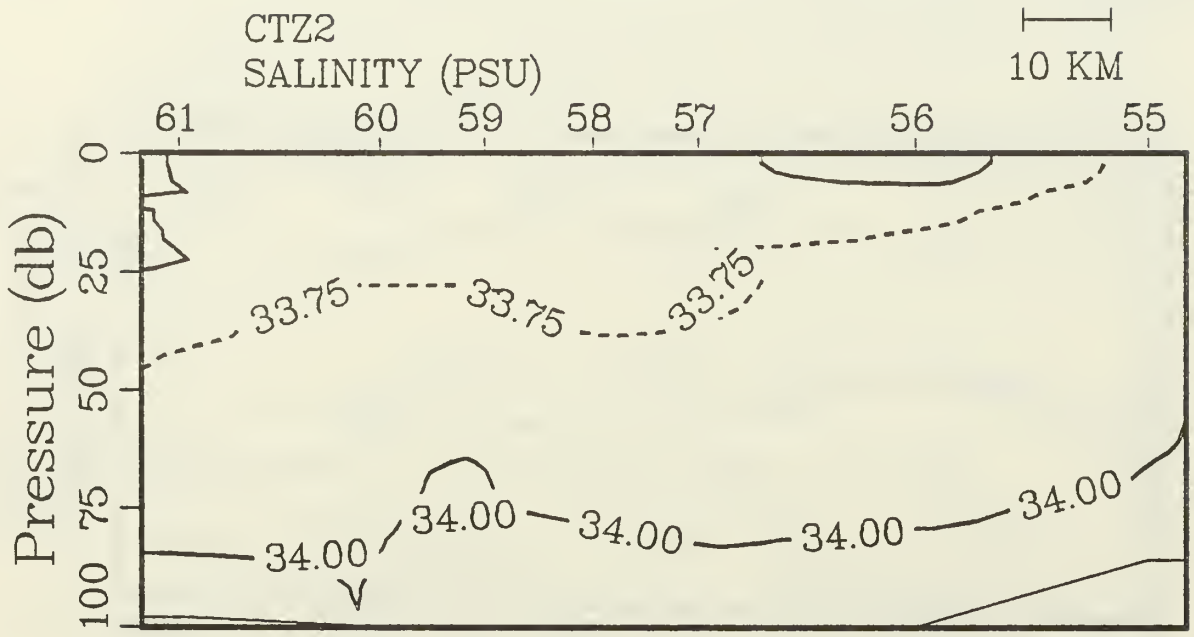

CTZ2
SALINITY (PSU)
10 KM
61
60
59
58
57
56
55
Pressure (db)
0
25
50
75
100
33.75
33.75
33.75
34.00
34.00
34.00
34.00
34.00

Figure 25b.

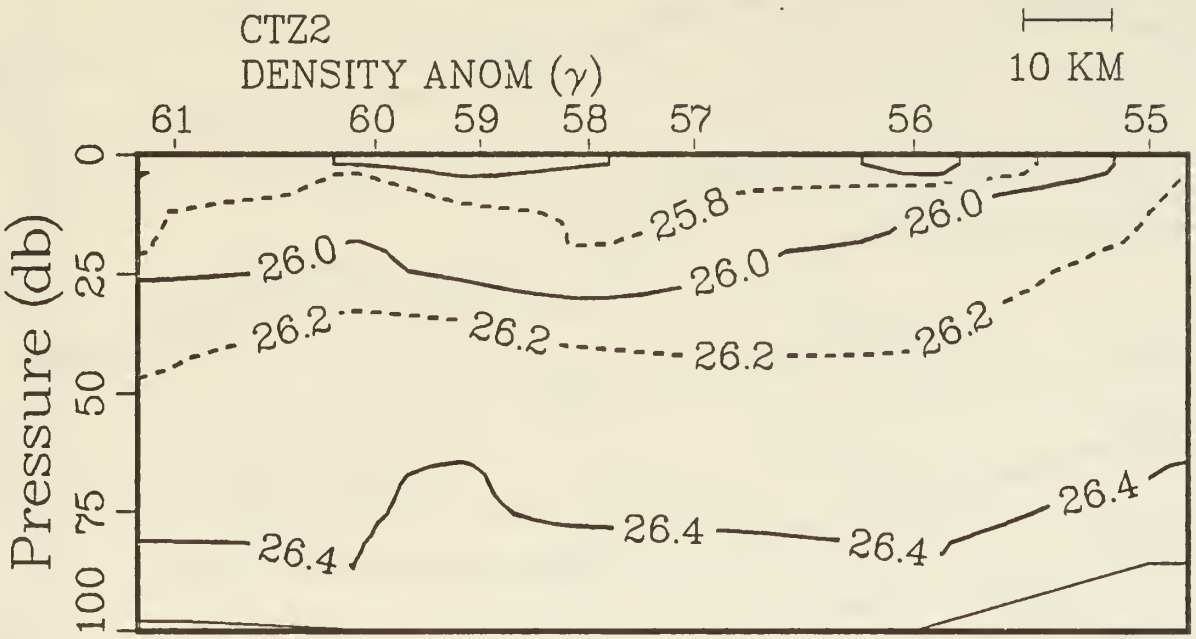

CTZ2
DENSITY ANOM (γ)
10 KM
61
60
59
58
57
56
55
Pressure (db)
0
25
50
75
100
25.8
26.0
26.0
26.0
26.2
26.2
26.2
26.2
26.4
26.4
26.4
26.4

Figure 25c.

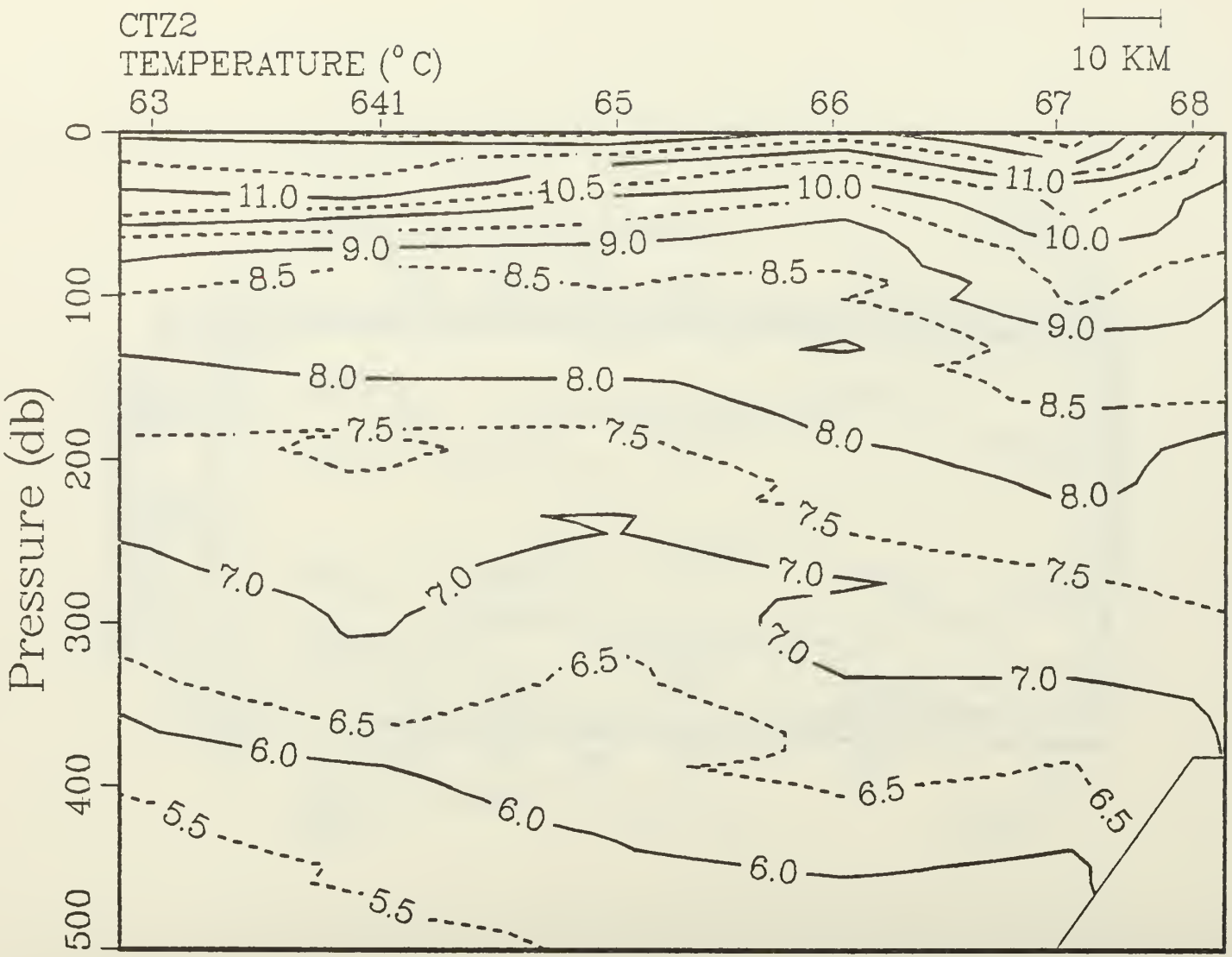



Figure 26. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 63, 641, and 65-68 of part II.

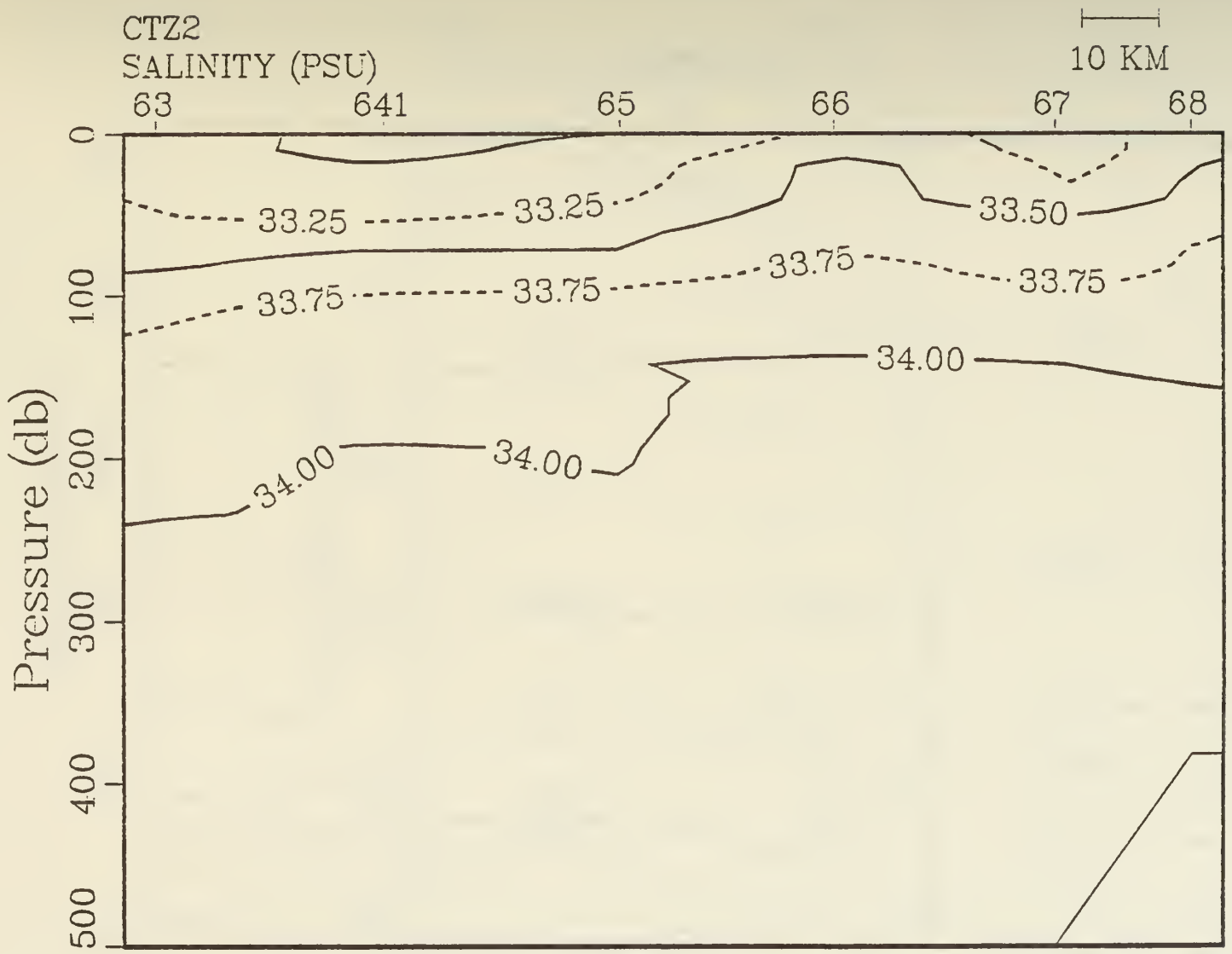

CTZ2
SALINITY (PSU)
10 KM
63
641
65
66
67
68
0
100
200
300
400
500
Pressure (db)
33.25
33.25
33.50
33.75
33.75
33.75
33.75
34.00
34.00
34.00

Figure 26b.

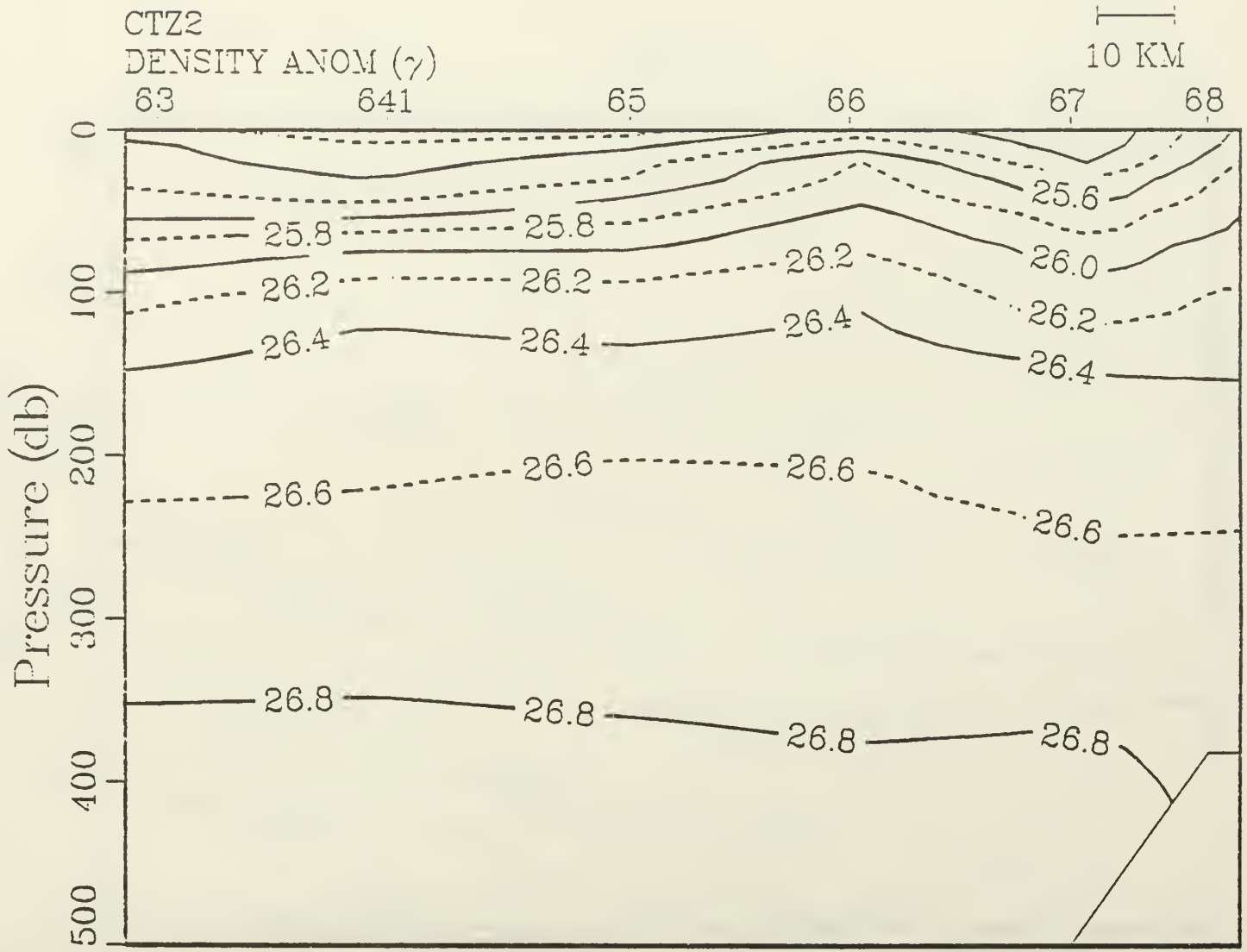

CTZ2
DENSITY ANOM (γ)
10 KM
63
641
65
66
67
68
0
100
200
300
400
500
Pressure (db)
25.6
25.8
25.8
26.0
26.2
26.2
26.2
26.2
26.4
26.4
26.4
26.4
26.6
26.6
26.6
26.6
26.8
26.8
26.8
26.8

Figure 26c.

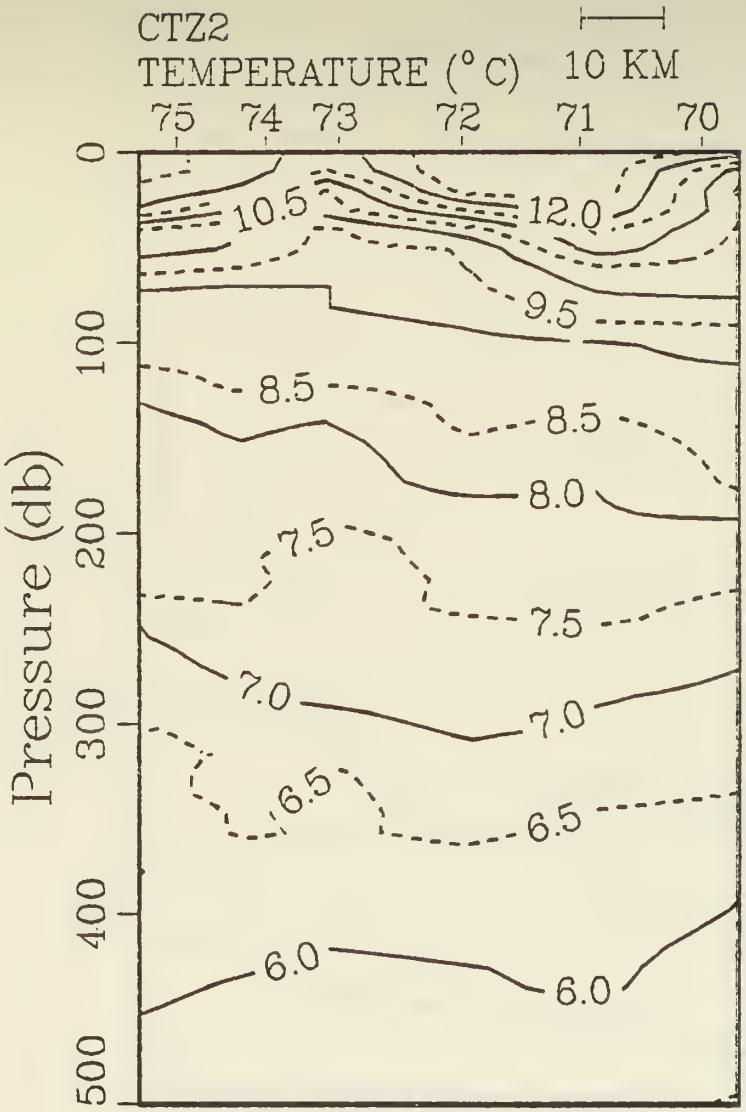



Figure 27. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 70-75 of part II.

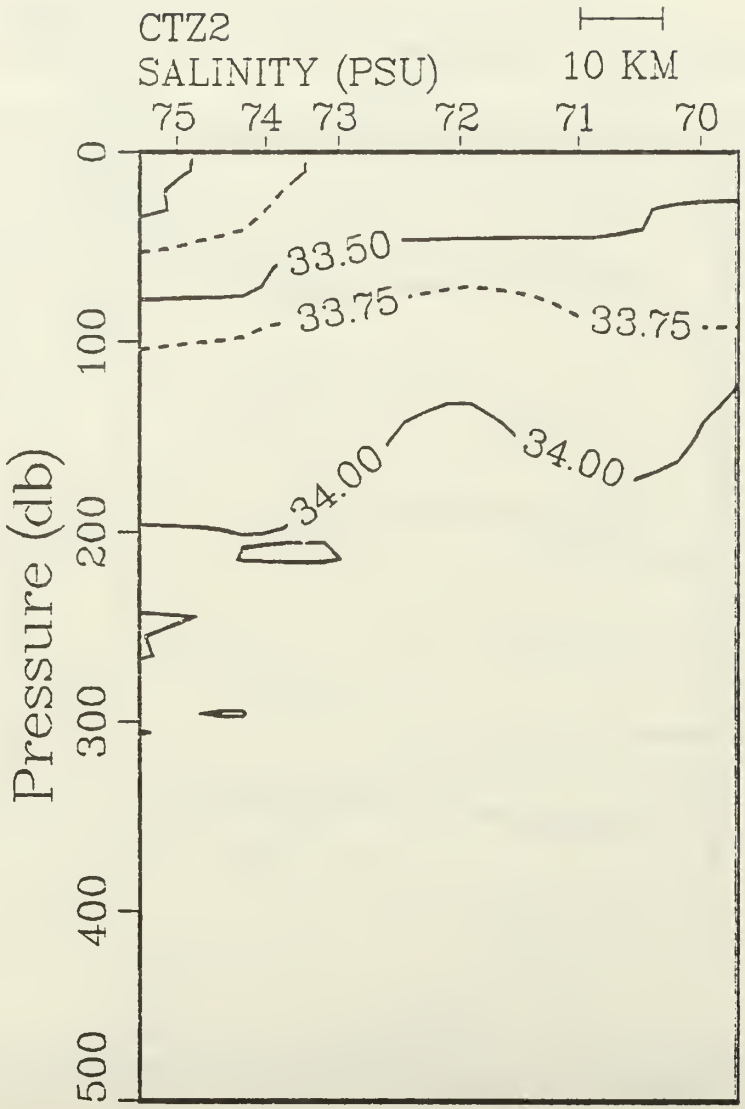

CTZ2
SALINITY (PSU)
10 KM
75
74
73
72
71
70
0
100
200
300
400
500
Pressure (db)
33.50
33.75
33.75
34.00
34.00

Figure 27b.

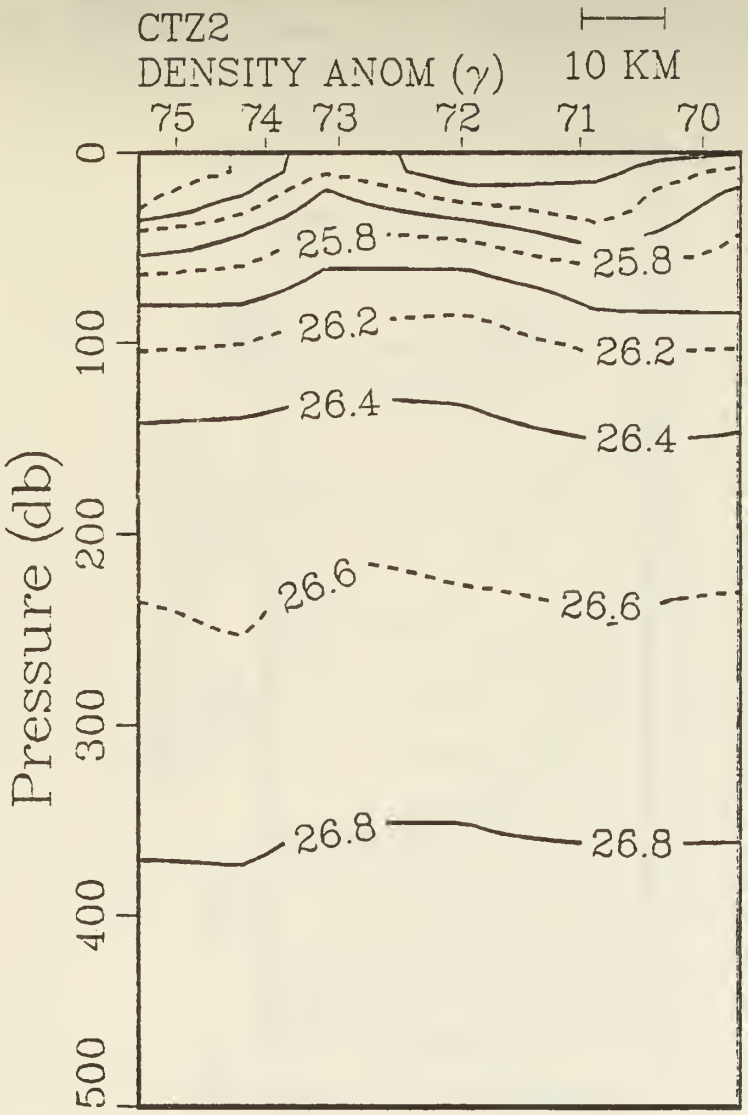

CTZ2
DENSITY ANOM (γ)
10 KM
75
74
73
72
71
70
0
100
200
300
400
500
Pressure (db)
25.8
25.8
26.2
26.2
26.4
26.4
26.6
26.6
26.8
26.8

Figure 27c.

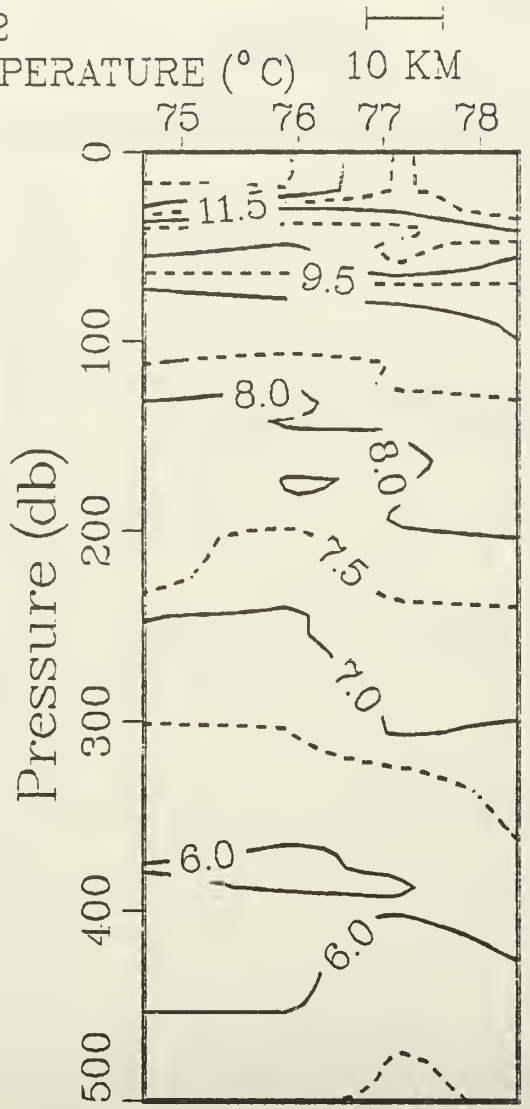



Figure 28. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 75-78 of part II.

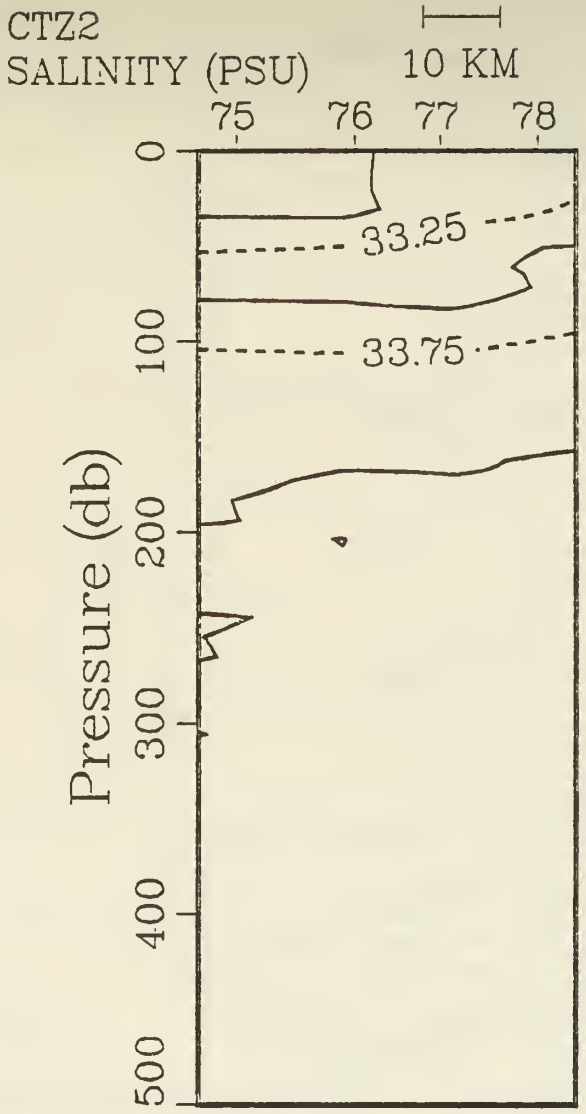

CTZ2
SALINITY (PSU)
10 KM
75
76
77
78
0
100
200
300
400
500
Pressure (db)
33.25
33.75

Figure 28b.

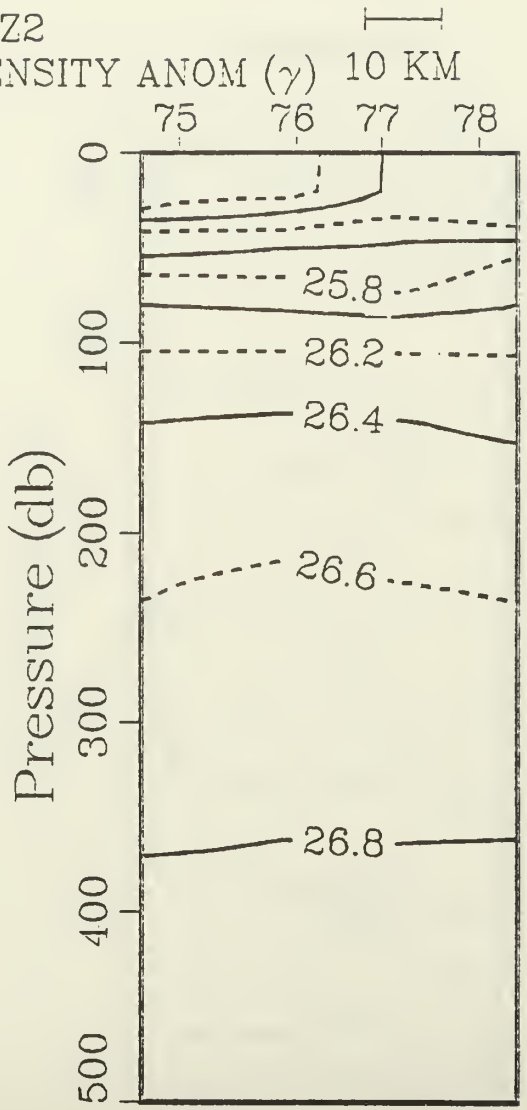

CTZ2
DENSITY ANOM (γ)
10 KM
75
76
77
78
0
100
200
300
400
500
Pressure (db)
25.8
26.2
26.4
26.6
26.8

Figure 28c.

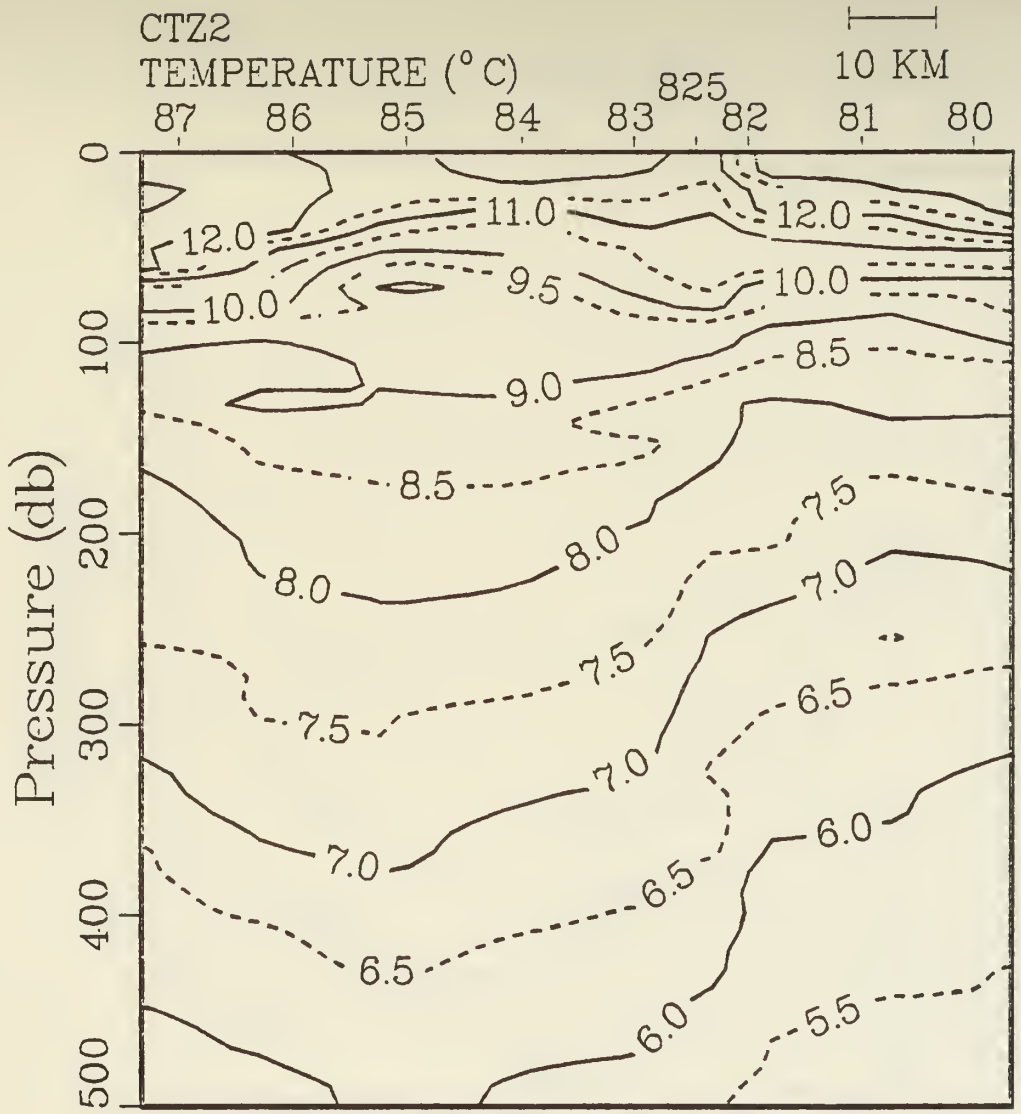



Figure 29. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 80-82, 825, and 83-87 of part III.

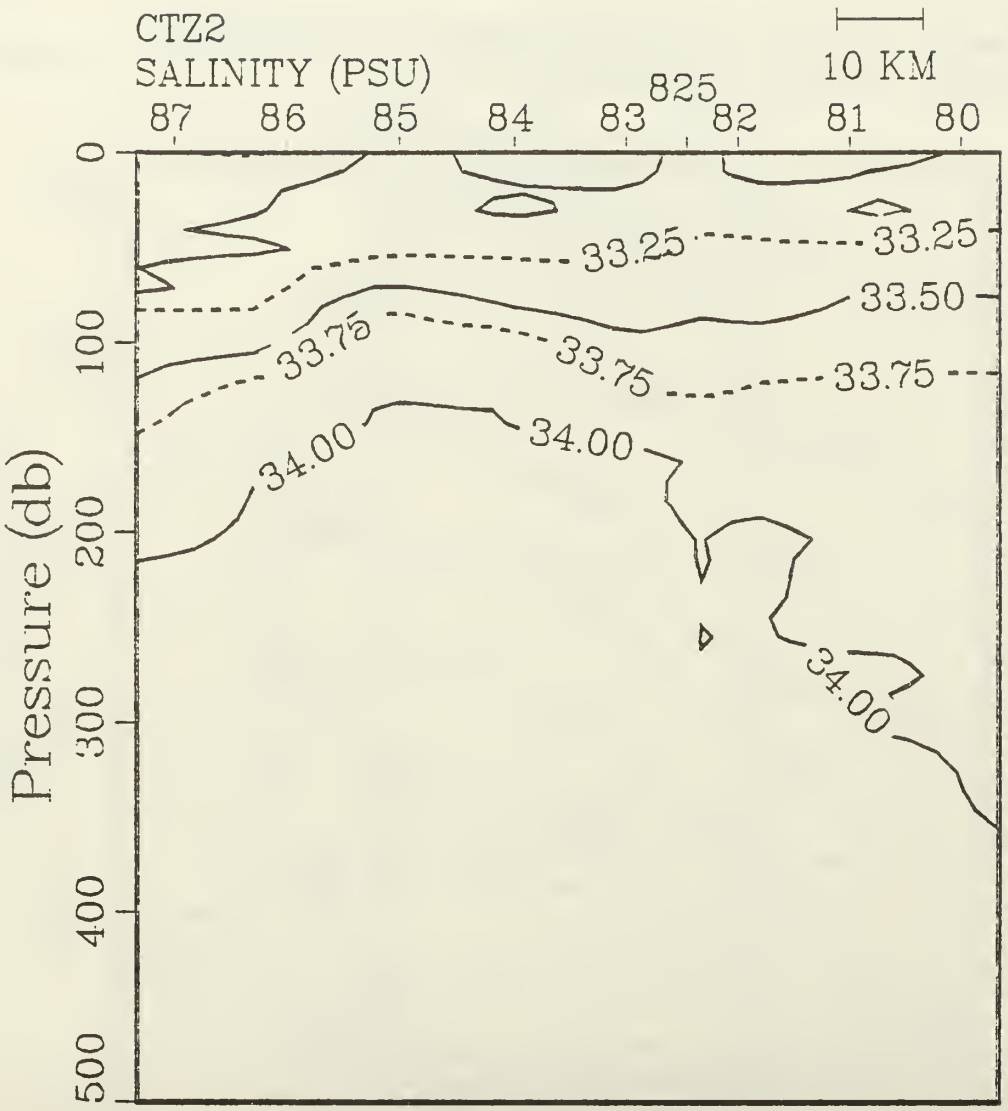

CTZ2
SALINITY (PSU)
87 86 85 84 83 825 82 81 80
10 KM
Pressure (db)
0 100 200 300 400 500
33.25
33.25
33.50
33.75
33.75
33.75
34.00
34.00
34.00

Figure 29b.

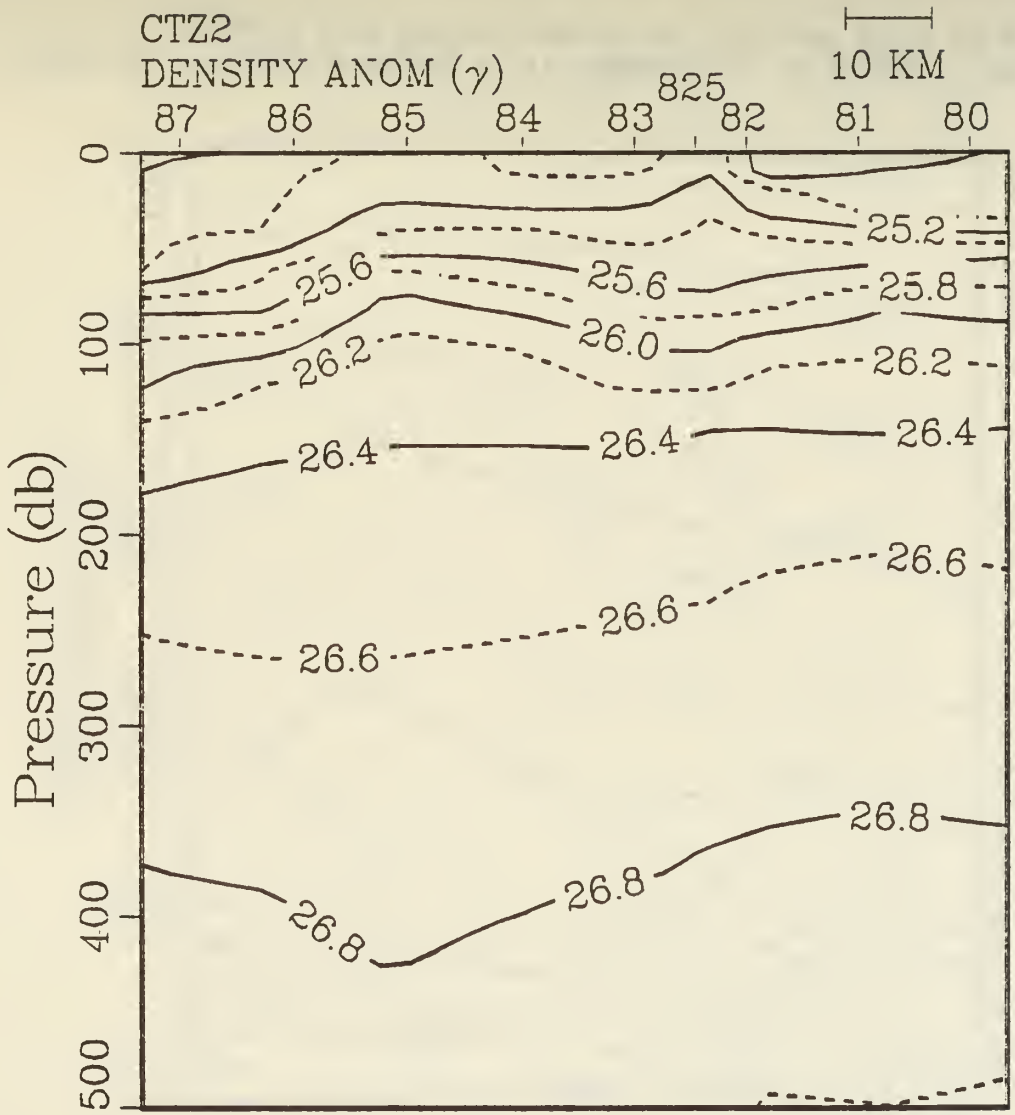

CTZ2
DENSITY ANOM (γ)
825
10 KM
87
86
85
84
83
82
81
80
0
100
200
300
400
500
Pressure (db)
25.2
25.6
25.6
25.8
26.0
26.2
26.2
26.4
26.4
26.4
26.6
26.6
26.6
26.8
26.8
26.8

Figure 29c.

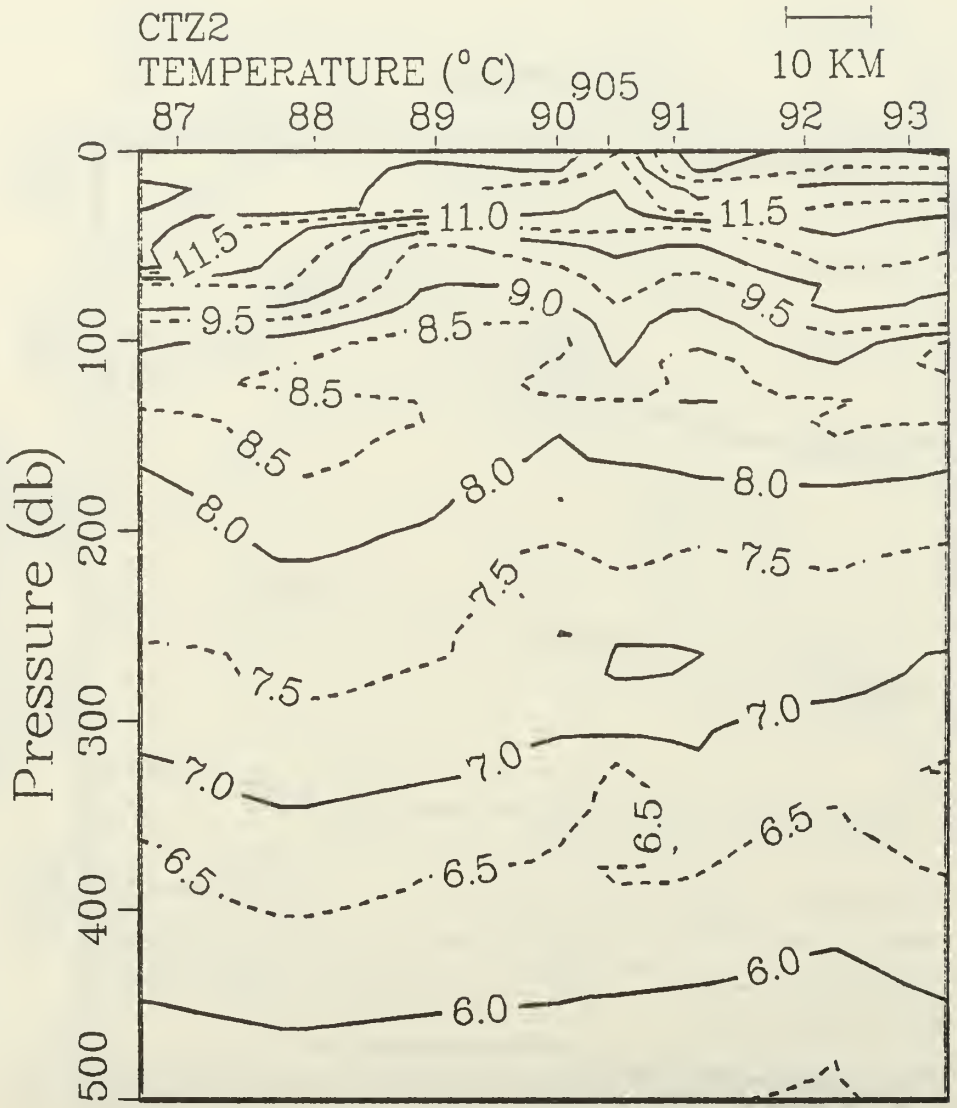



Figure 30. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 87-90, 905, and 91-93 of part III.

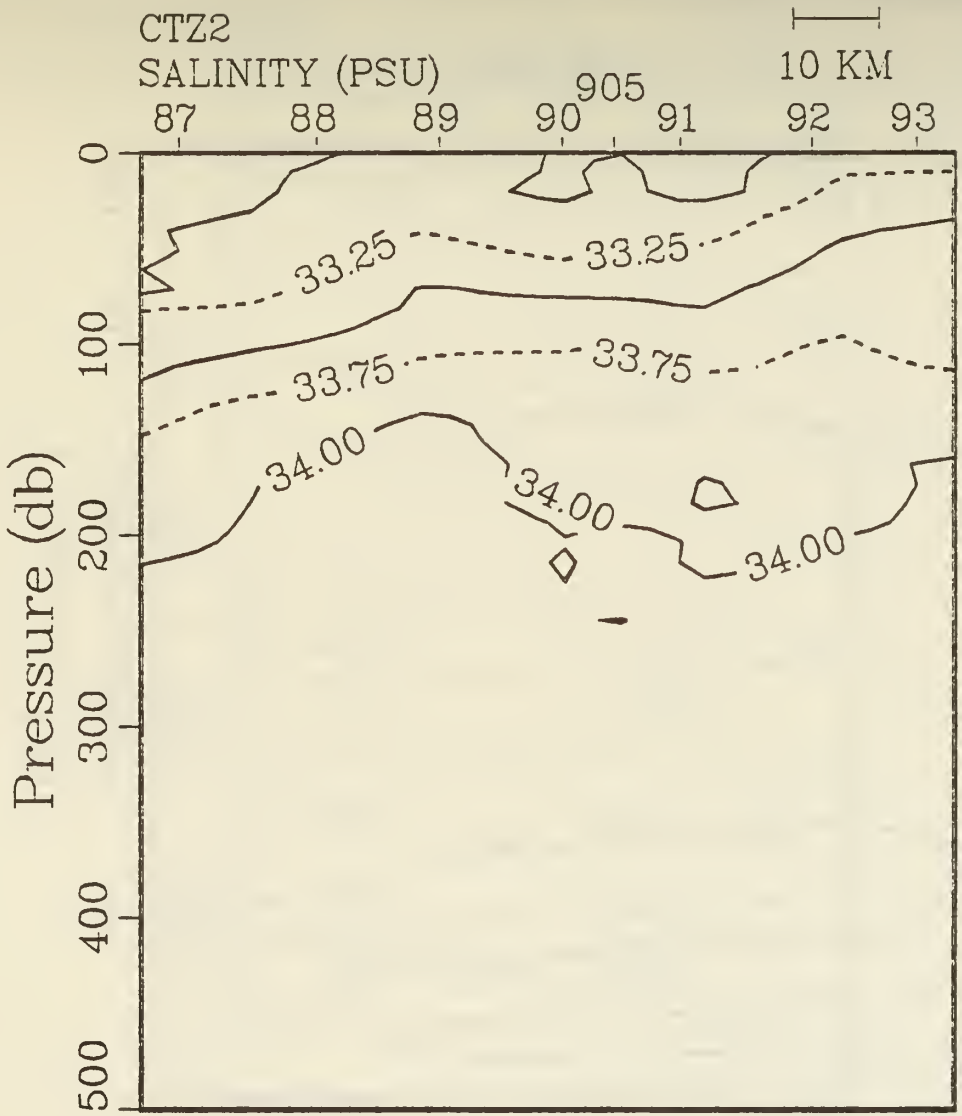

CTZ2
SALINITY (PSU)
905
10 KM
87
88
89
90
91
92
93
0
100
200
300
400
500
Pressure (db)
33.25
33.25
33.75
33.75
34.00
34.00
34.00

Figure 30b.

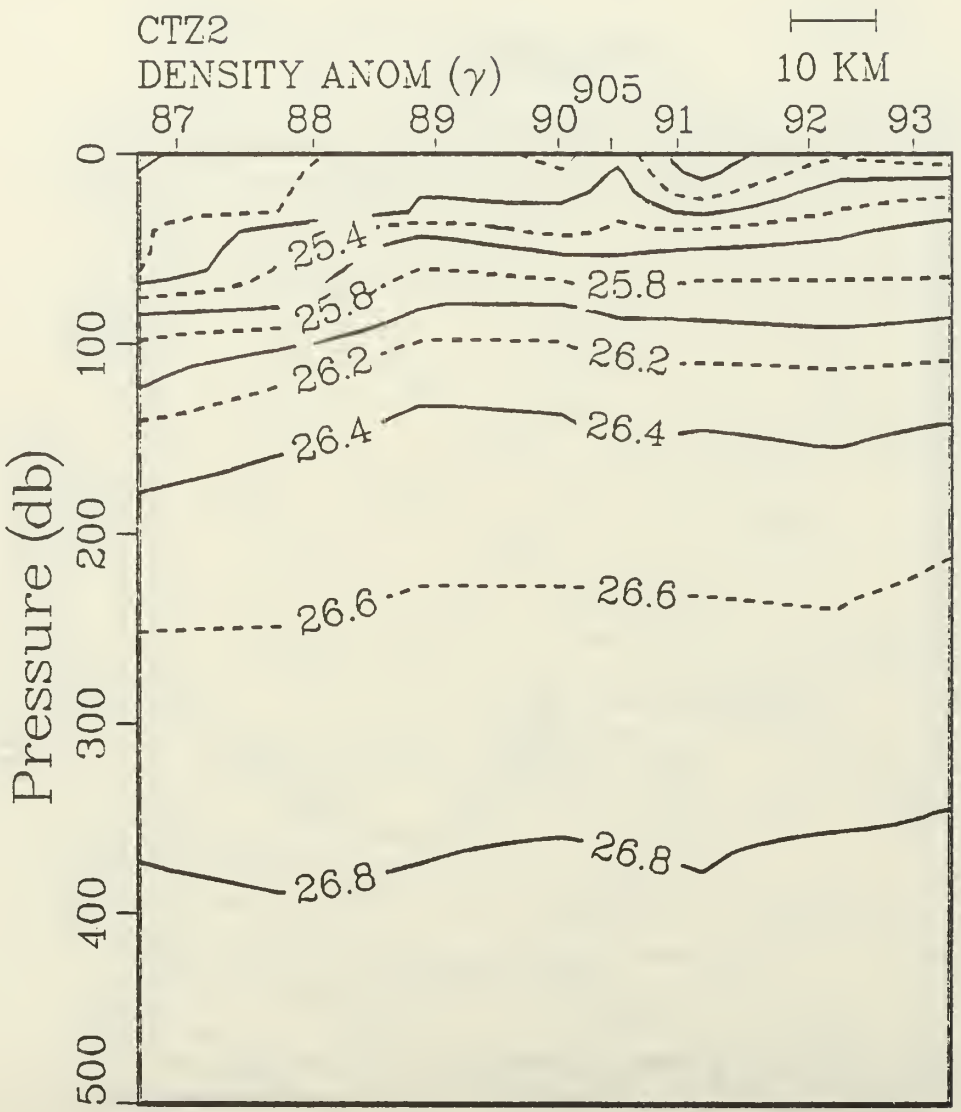

CTZ2
DENSITY ANOM (γ)
905
10 KM
87
88
89
90
91
92
93
0
100
200
300
400
500
Pressure (db)
25.4
25.8
26.2
26.4
26.6
26.8

Figure 30c.

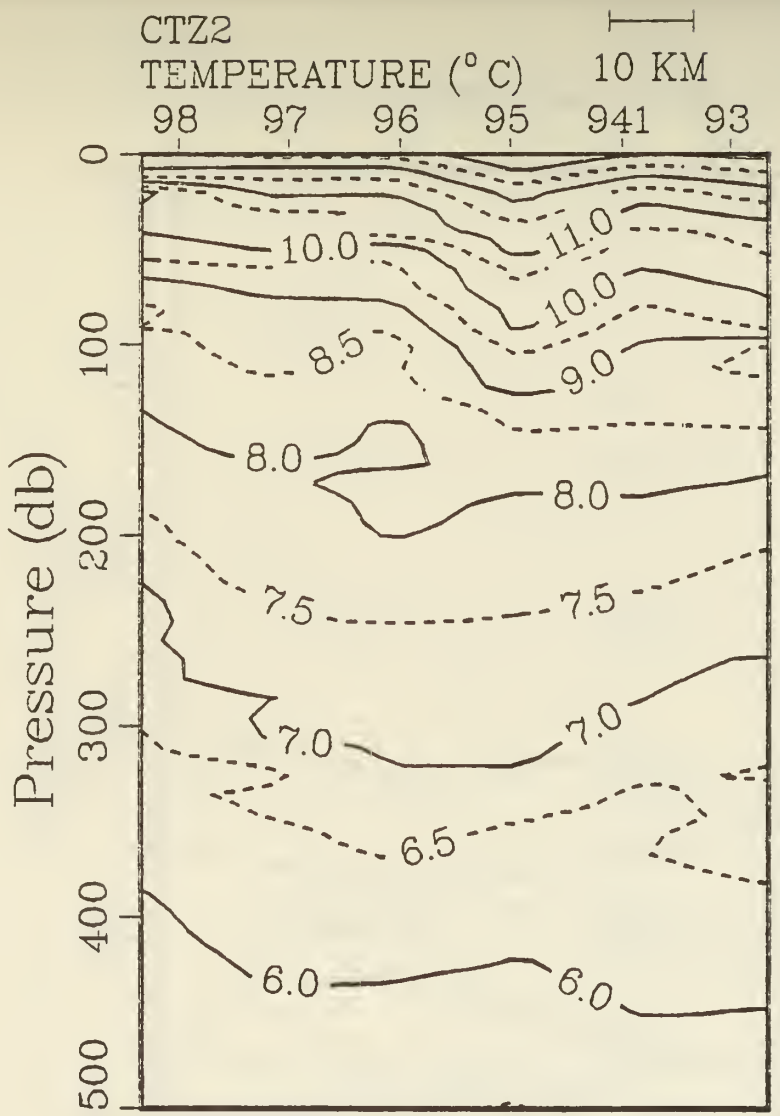



Figure 31. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 93, 941, and 95-98 of part III.

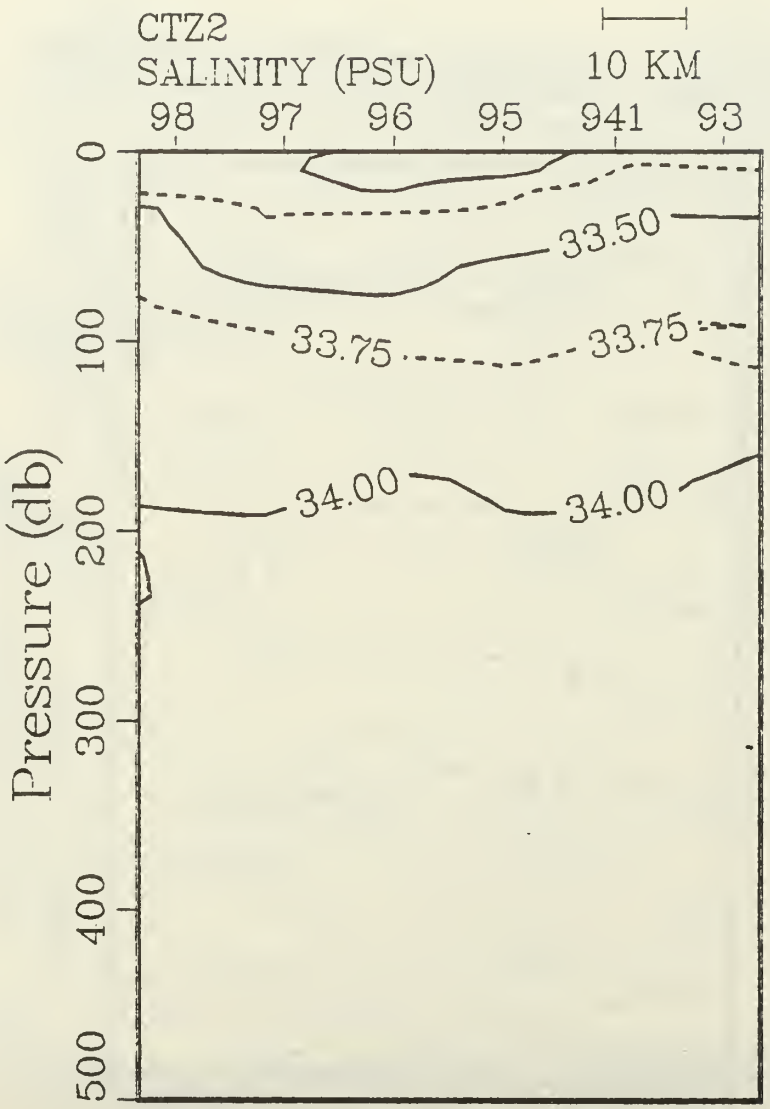

CTZ2
SALINITY (PSU)
10 KM
98
97
96
95
941
93
0
100
200
300
400
500
Pressure (db)
33.50
33.75
33.75
34.00
34.00

Figure 31b.

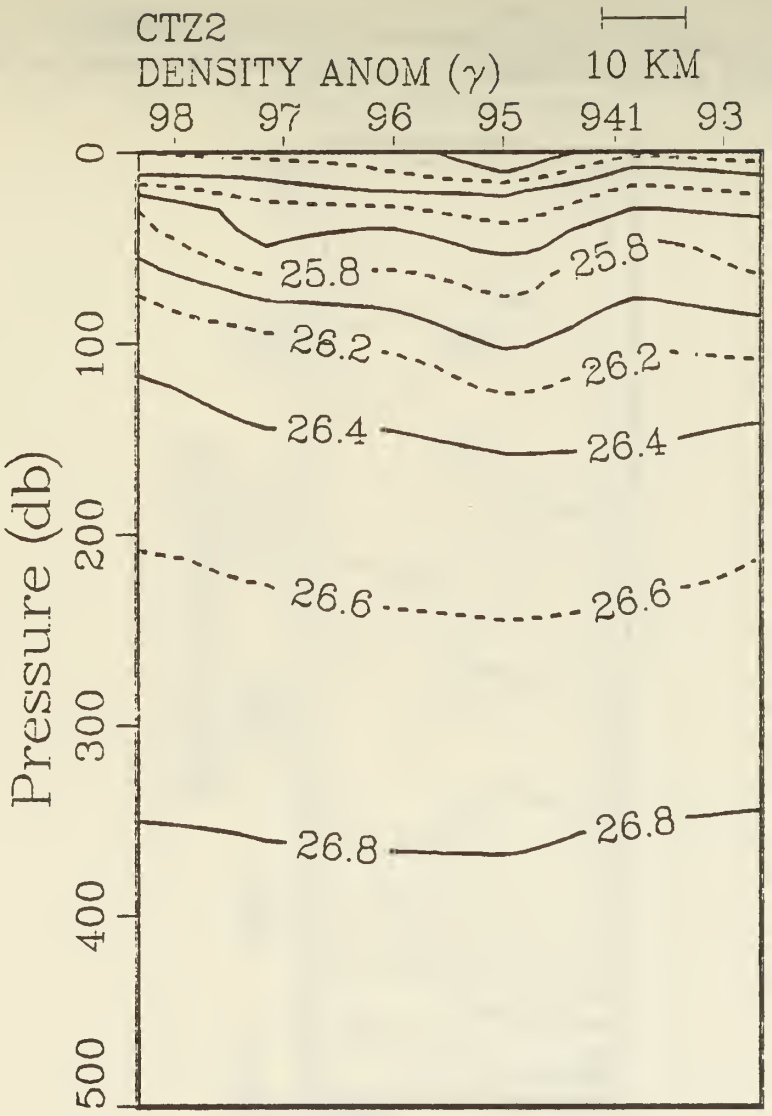

CTZ2
DENSITY ANOM (γ)
10 KM
98
97
96
95
941
93
0
100
200
300
400
500
Pressure (db)
25.8
25.8
26.2
26.2
26.4
26.4
26.6
26.6
26.8
26.8

Figure 31c.

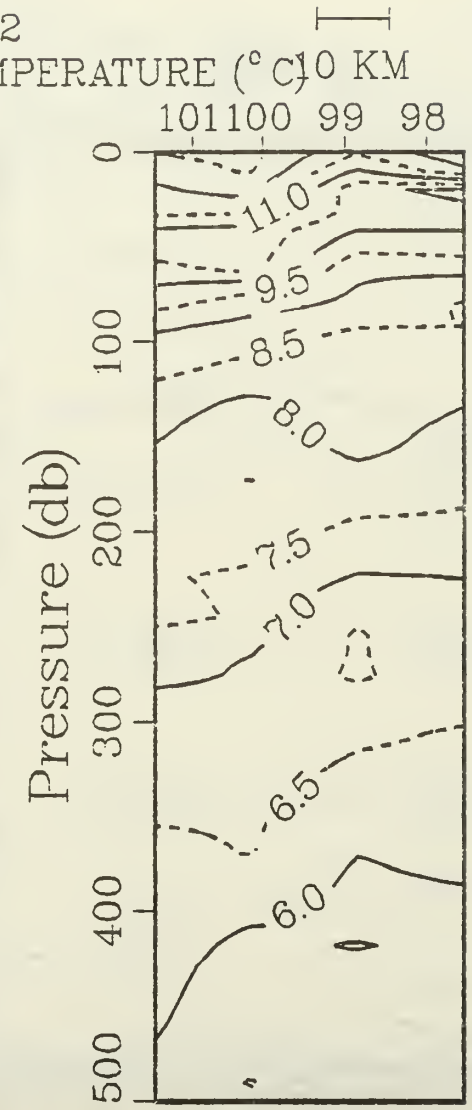



Figure 32. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 98-101 of part III.

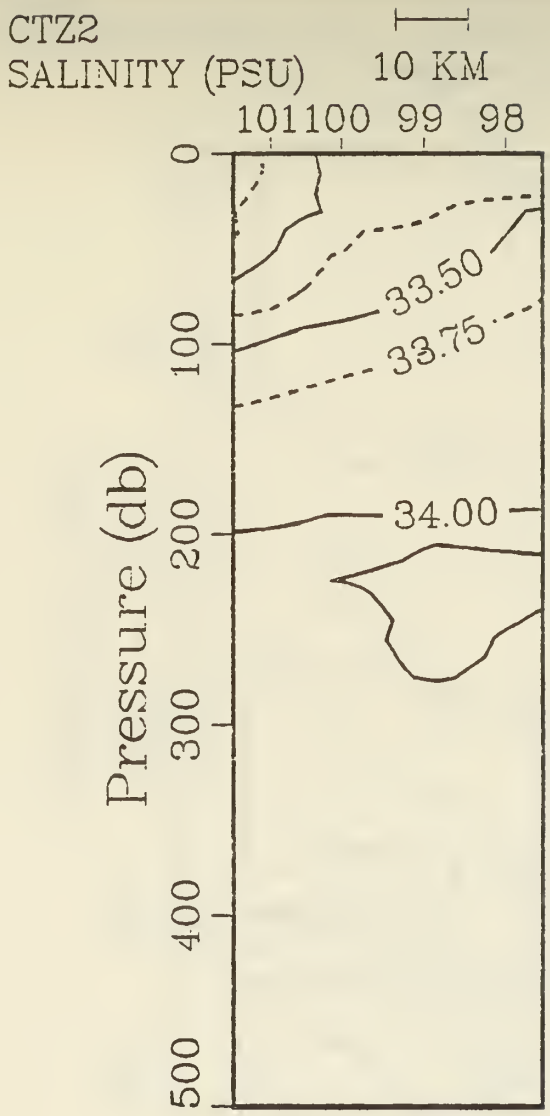

CTZ2
SALINITY (PSU)
10 KM
101 100 99 98
0
100
200
300
400
500
Pressure (db)
33.50
33.75
34.00

Figure 32b.

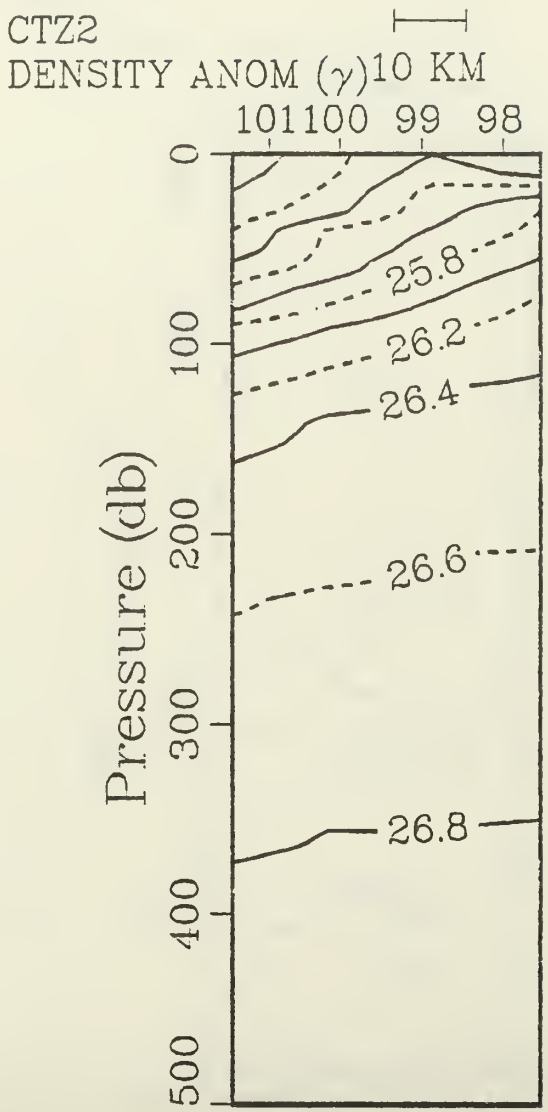

CTZ2
DENSITY ANOM (γ)
10 KM
101
100
99
98
0
100
200
300
400
500
Pressure (db)
25.8
26.2
26.4
26.6
26.8

Figure 32c.

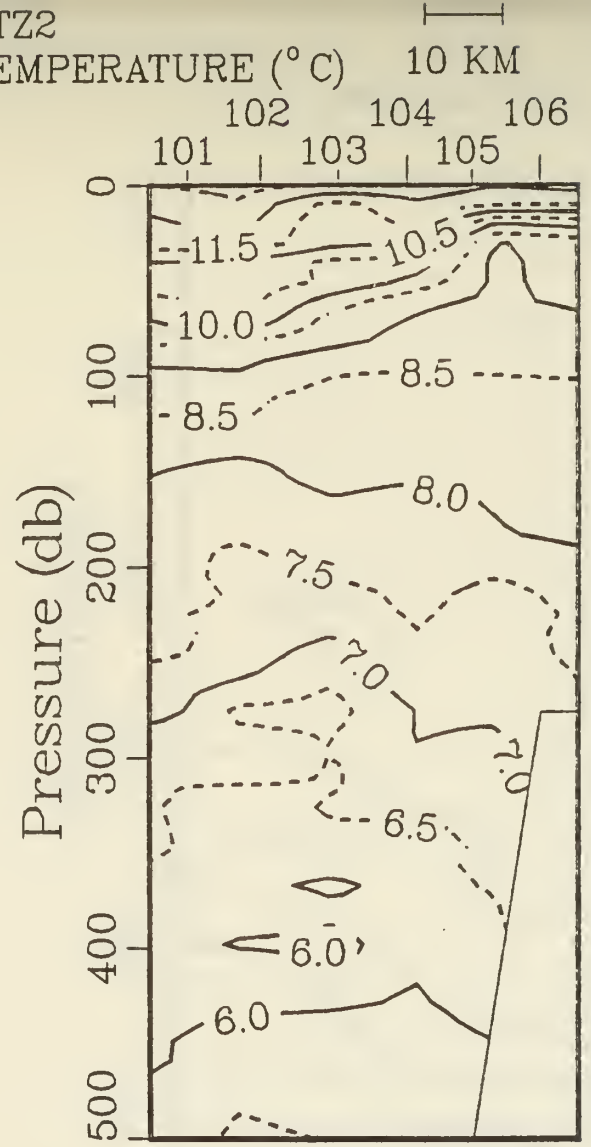



Figure 33. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 101-106 of part III.

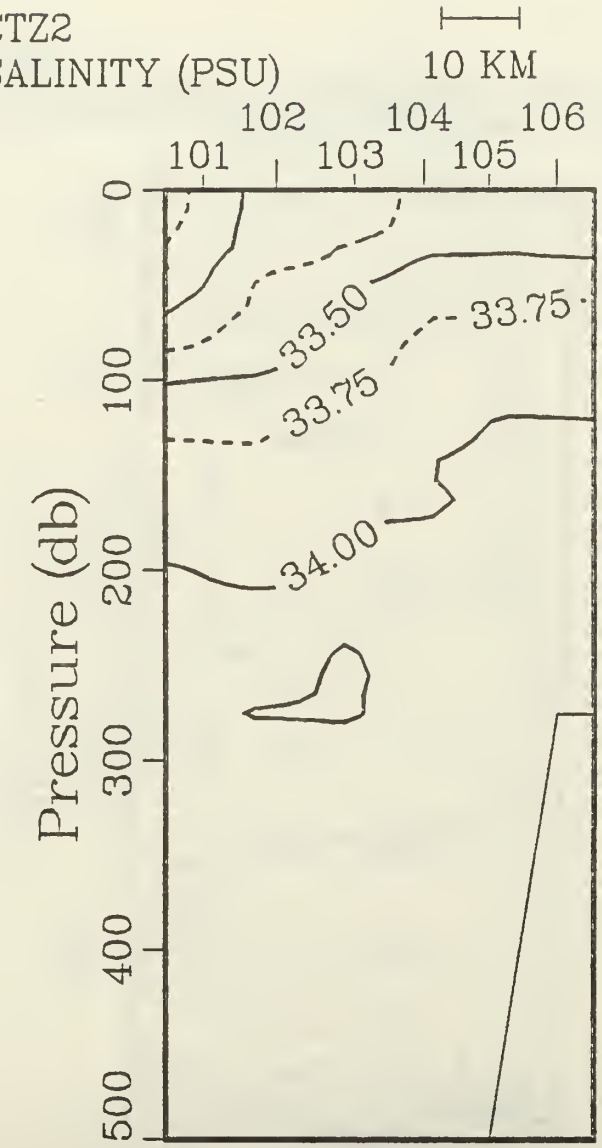

CTZ2
SALINITY (PSU)
10 KM
101
102
103
104
105
106
0
100
200
300
400
500
Pressure (db)
33.50
33.75
33.75
34.00

Figure 33b.

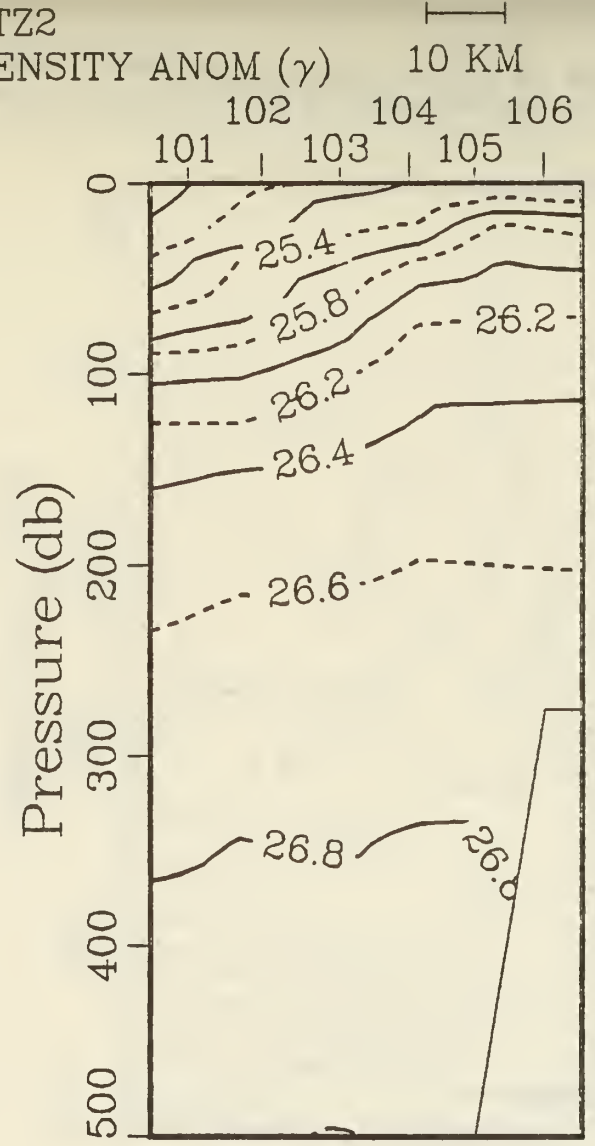

CTZ2
DENSITY ANOM (γ)
10 KM
101
102
103
104
105
106
0
100
200
300
400
500
Pressure (db)
25.4
25.8
26.2
26.2
26.4
26.6
26.8
26.9

Figure 33c.

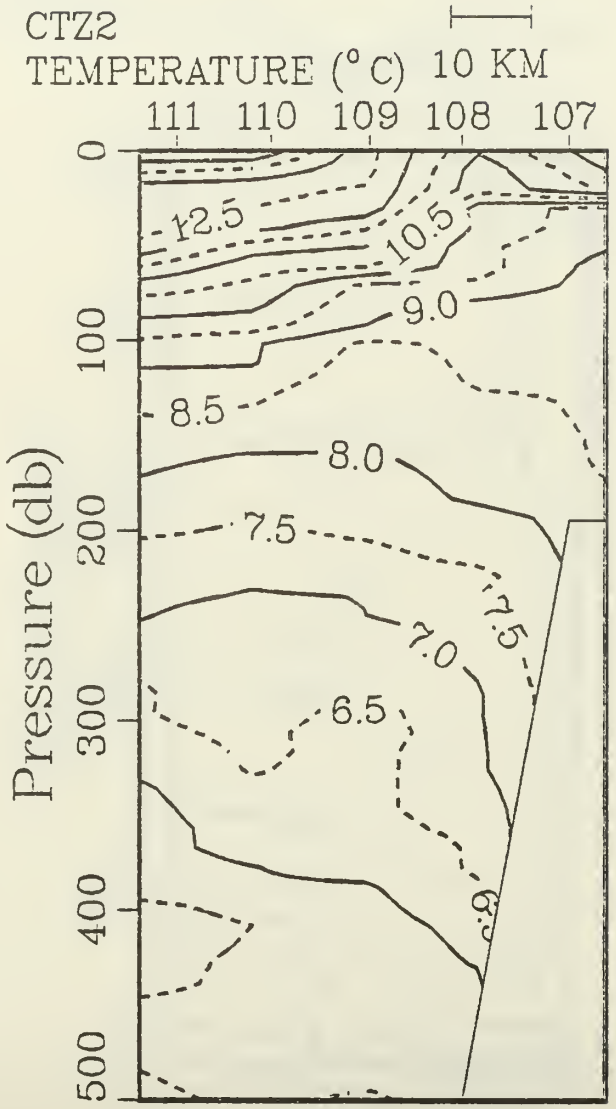



Figure 34. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 107-111 of part III.

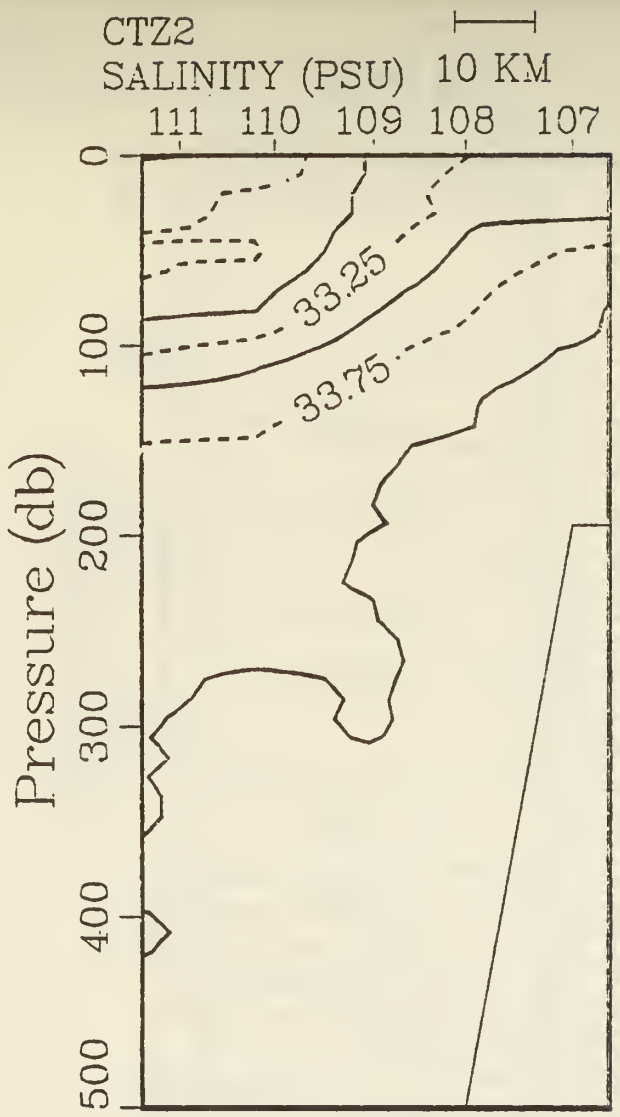

CTZ2
SALINITY (PSU)
10 KM
111
110
109
108
107
0
100
200
300
400
500
Pressure (db)
33.25
33.75

Figure 34b.

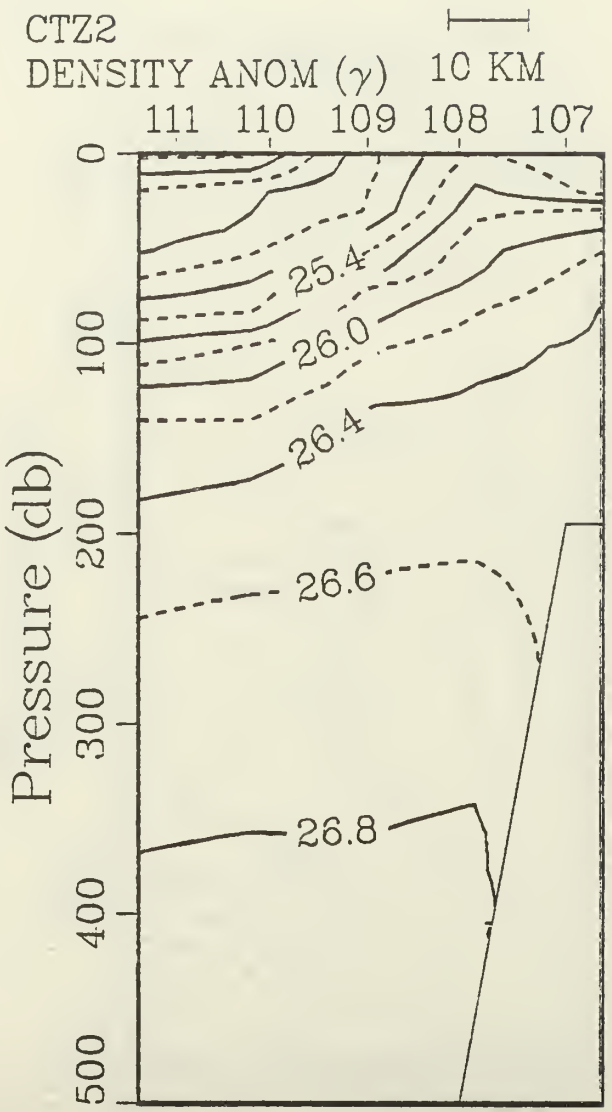

CTZ2
DENSITY ANOM (γ)
10 KM
111
110
109
108
107
0
100
200
300
400
500
Pressure (db)
25.4
26.0
26.4
26.6
26.8

Figure 34c.

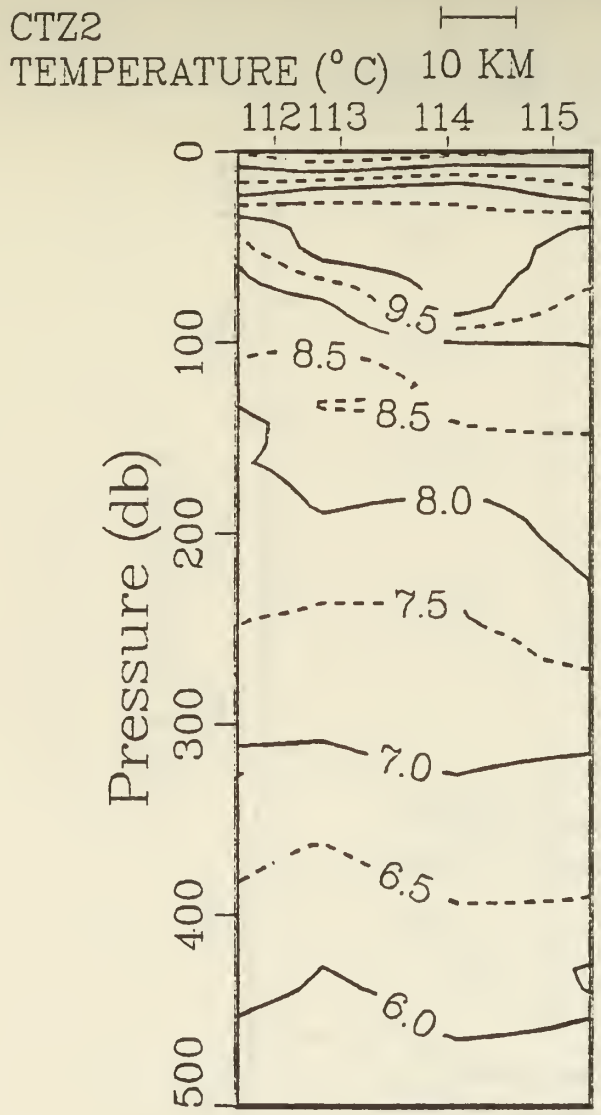



Figure 35. Vertical sections of a) temperature, b) salinity, and c) density anomaly from CTD stations 112-115 of part III.

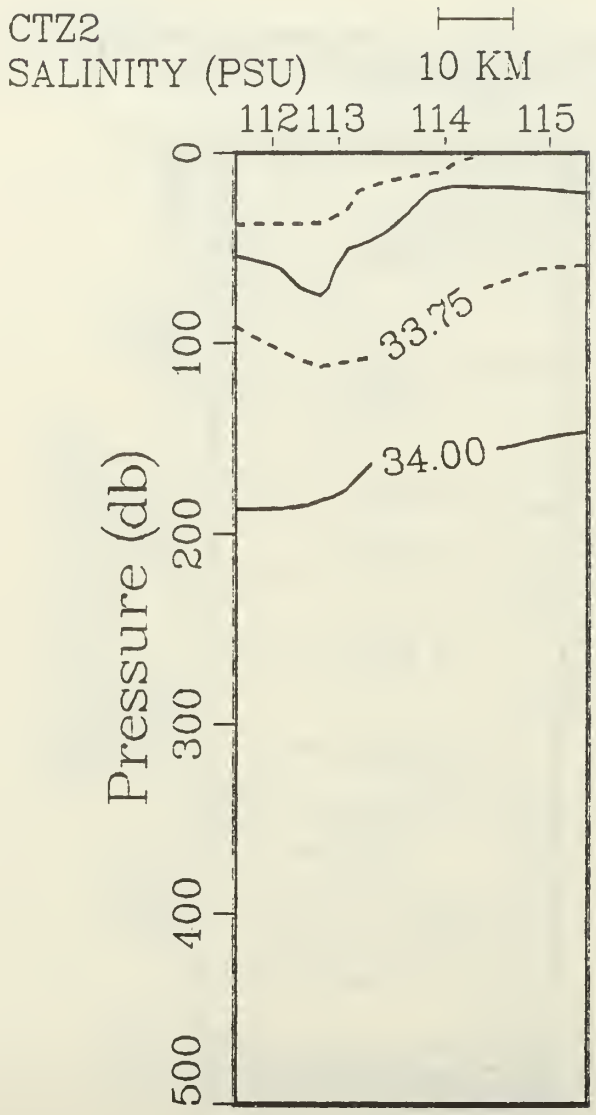

CTZ2
SALINITY (PSU)
10 KM
112
113
114
115
0
100
200
300
400
500
Pressure (db)
33.75
34.00

Figure 35b.

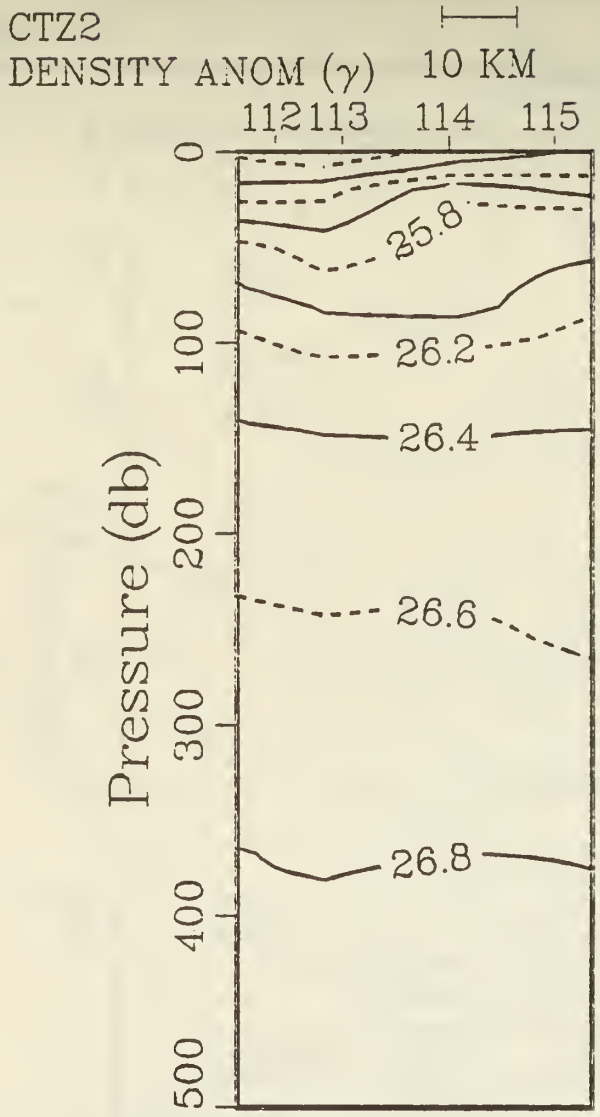

CTZ2
DENSITY ANOM (γ)
10 KM
112
113
114
115
0
100
200
300
400
500
Pressure (db)
25.8
26.2
26.4
26.6
26.8

Figure 35c.

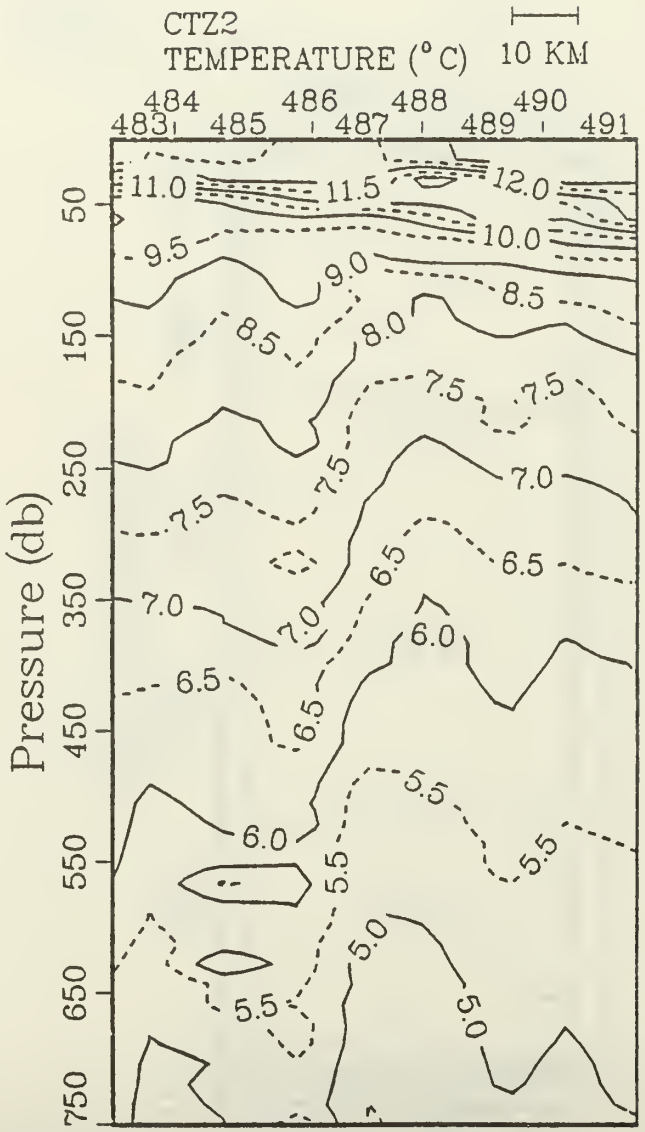



Figure 36. Vertical section of temperature for XBT stations 483-491 of cruise CTZ2.

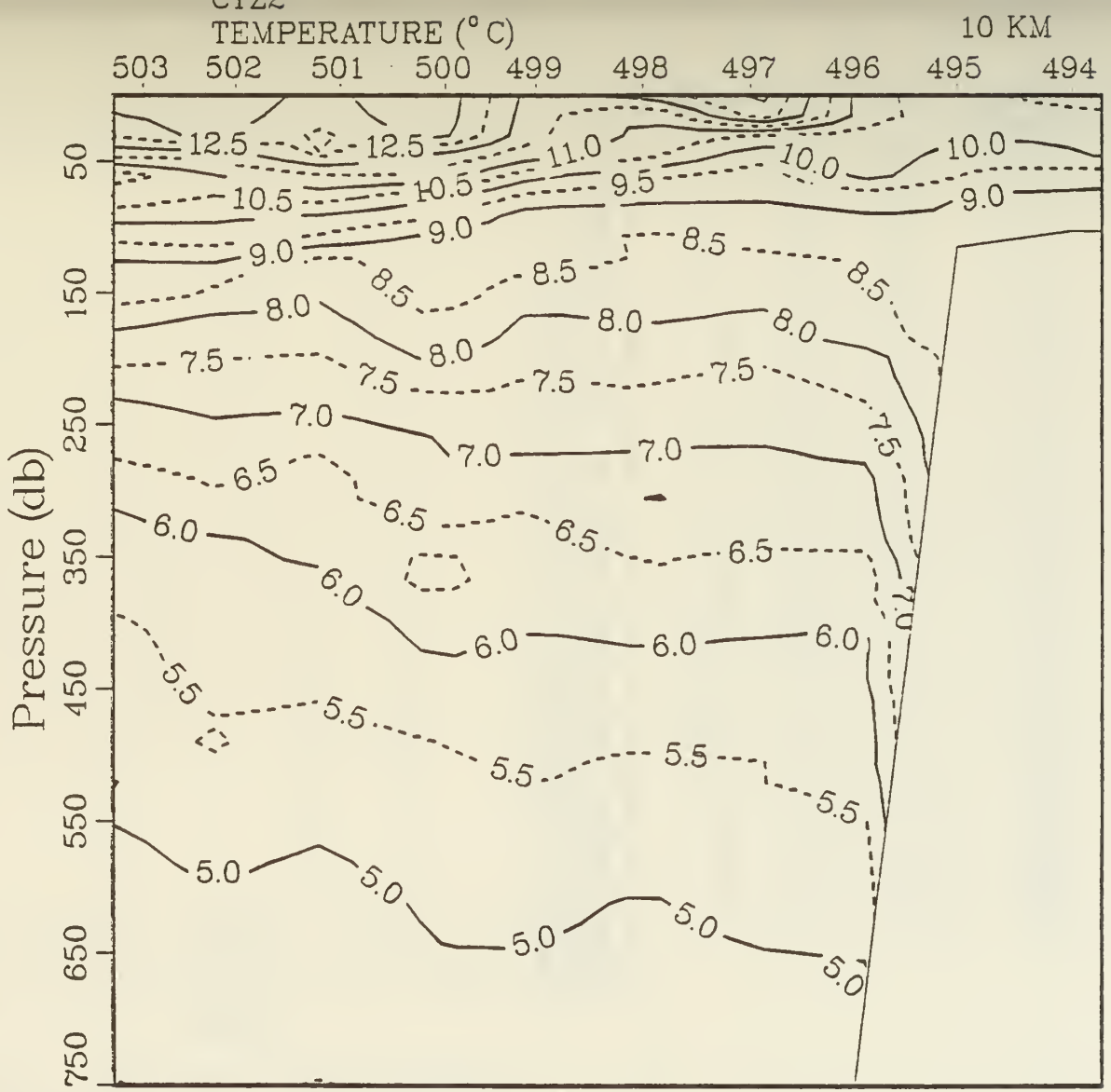
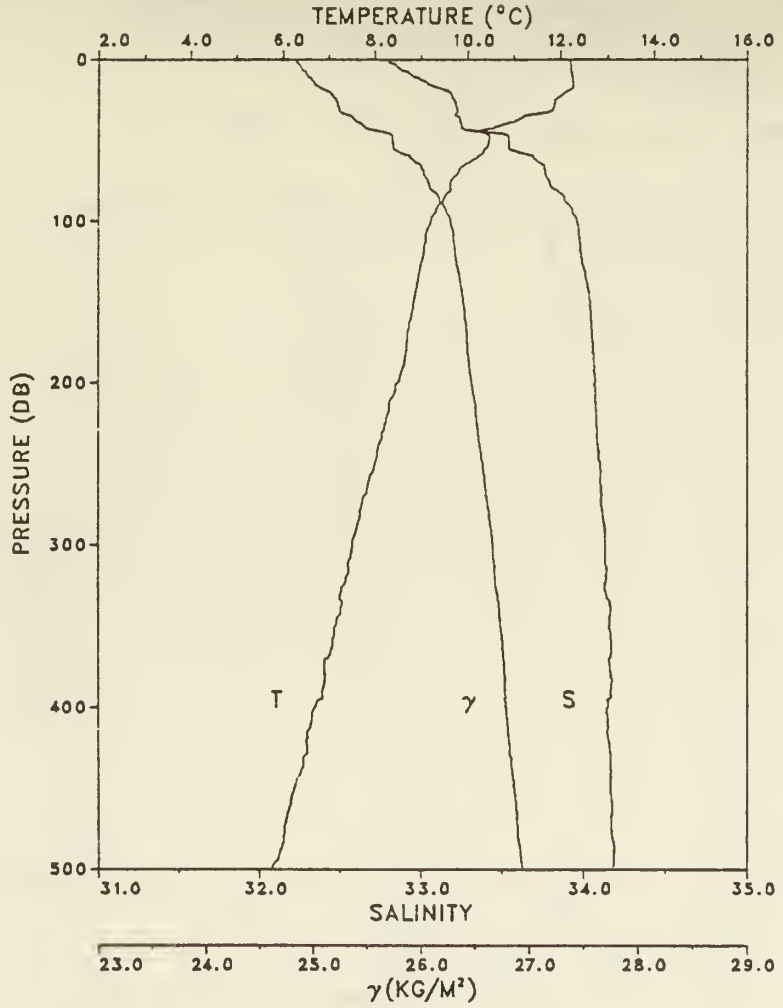


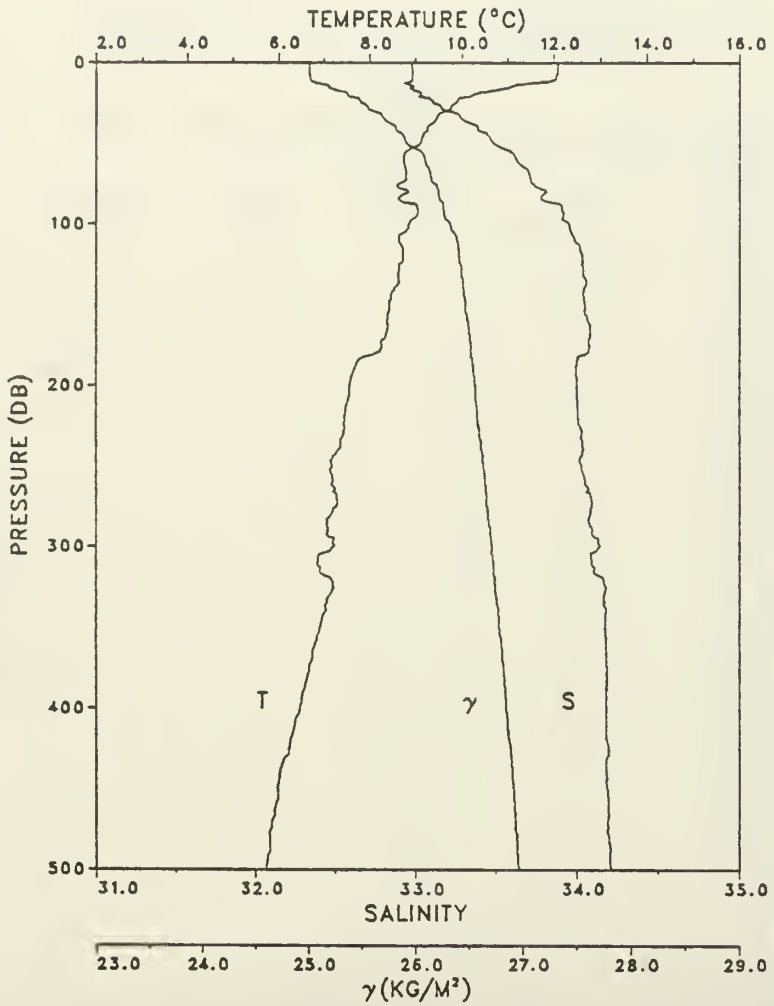

Figure 37. Vertical section of temperature for XBT stations 494-503 of cruise CTZ2.

Figure 38. Listing of temperature, salinity, density anomaly, specific volume anomaly, and dynamic height at selected pressures and profiles of temperature (T), salinity (PSU), and density anomaly ($\gamma$) for all CTD stations of cruise CTZ2.



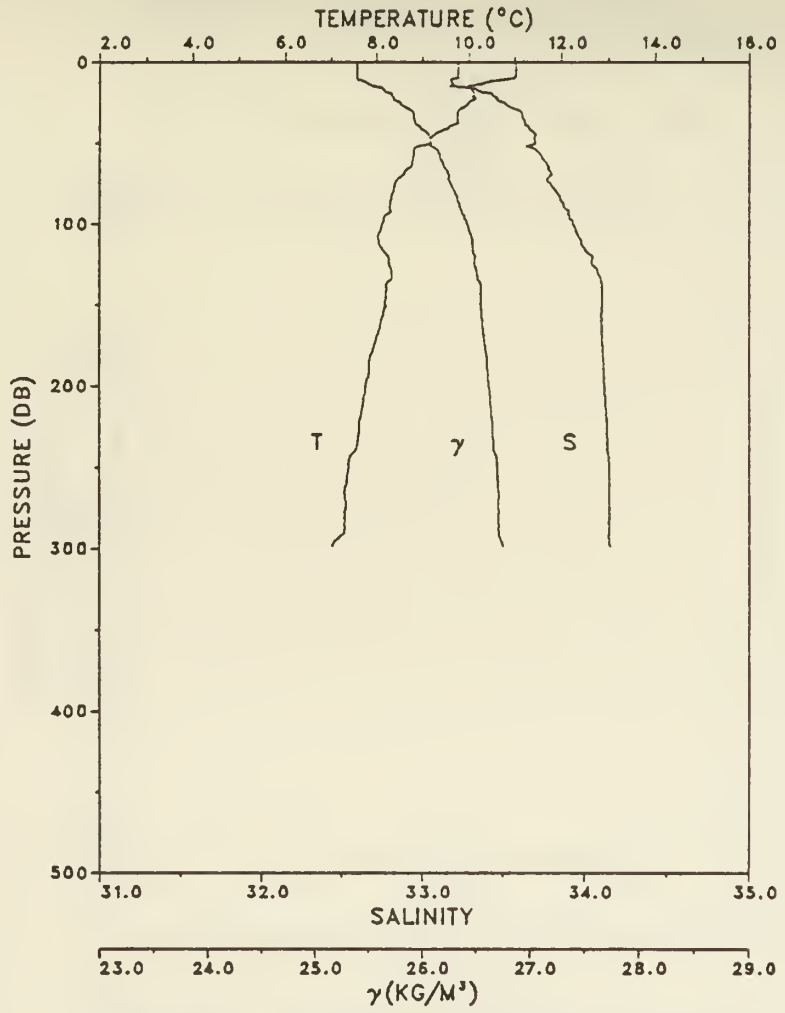

STATION: 1 LAT: 38 30.1 N LON: 123 59.2 W
DATE: 6/16/87 TIME: 0800Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.209 | 32.796 | 24.839 | 310.1 | 0.000 |
| 5 | 12.216 | 32.857 | 24.885 | 305.8 | 0.012 |
| 10 | 12.239 | 32.940 | 24.945 | 300.2 | 0.027 |
| 15 | 12.274 | 33.037 | 25.014 | 293.8 | 0.042 |
| 20 | 12.098 | 33.173 | 25.152 | 280.7 | 0.057 |
| 25 | 11.883 | 33.202 | 25.215 | 274.9 | 0.071 |
| 30 | 11.846 | 33.220 | 25.236 | 273.0 | 0.084 |
| 35 | 11.247 | 33.213 | 25.340 | 263.1 | 0.098 |
| 40 | 10.821 | 33.249 | 25.444 | 253.3 | 0.111 |
| 45 | 10.247 | 33.361 | 25.631 | 235.7 | 0.123 |
| 50 | 10.456 | 33.538 | 25.733 | 226.1 | 0.134 |
| 60 | 10.226 | 33.691 | 25.892 | 211.2 | 0.156 |
| 70 | 9.795 | 33.763 | 26.021 | 199.1 | 0.177 |
| 80 | 9.639 | 33.814 | 26.086 | 193.0 | 0.196 |
| 90 | 9.382 | 33.905 | 26.200 | 182.4 | 0.215 |
| 100 | 9.199 | 33.958 | 26.271 | 175.9 | 0.233 |
| 125 | 9.016 | 33.989 | 26.324 | 171.2 | 0.276 |
| 150 | 8.832 | 34.036 | 26.390 | 165.4 | 0.318 |
| 175 | 8.691 | 34.055 | 26.427 | 162.3 | 0.359 |
| 200 | 8.497 | 34.066 | 26.466 | 159.0 | 0.400 |
| 225 | 8.222 | 34.077 | 26.516 | 154.5 | 0.439 |
| 250 | 7.990 | 34.102 | 26.570 | 149.7 | 0.477 |
| 275 | 7.721 | 34.108 | 26.614 | 145.8 | 0.514 |
| 300 | 7.513 | 34.131 | 26.653 | 141.5 | 0.550 |
| 325 | 7.331 | 34.133 | 26.690 | 139.2 | 0.585 |
| 350 | 7.134 | 34.153 | 26.733 | 135.4 | 0.619 |
| 375 | 6.922 | 34.162 | 26.770 | 132.2 | 0.653 |
| 400 | 6.700 | 34.145 | 26.786 | 130.8 | 0.685 |
| 425 | 6.540 | 34.160 | 26.819 | 127.8 | 0.718 |
| 450 | 6.254 | 34.167 | 26.862 | 123.9 | 0.749 |
| 475 | 6.043 | 34.172 | 26.893 | 121.1 | 0.780 |
| 499 | 5.764 | 34.182 | 26.936 | 117.0 | 0.808 |



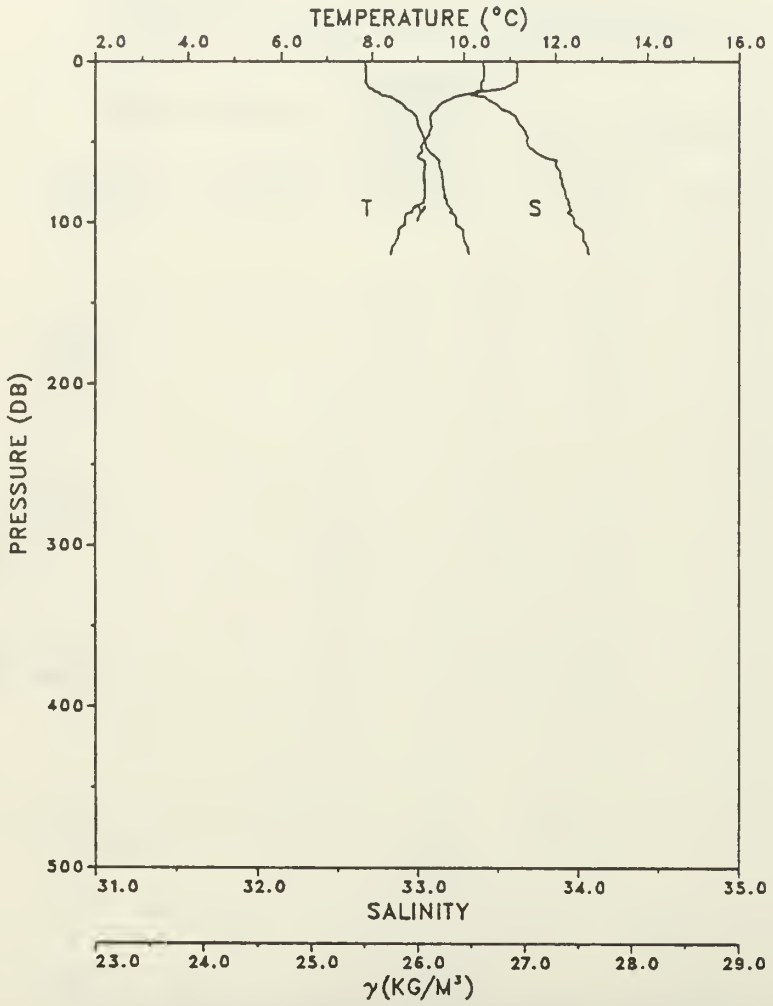

STATION: 2 LAT: 38 38.7 N LON: 123 49.2 W
DATE: 6/16/87 TIME: 1100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.080 | 32.975 | 25.002 | 294.6 | 0.000 |
| 5 | 12.083 | 32.980 | 25.005 | 294.4 | 0.012 |
| 10 | 12.042 | 32.980 | 25.013 | 293.7 | 0.026 |
| 15 | 11.084 | 32.988 | 25.195 | 276.6 | 0.041 |
| 20 | 10.288 | 33.032 | 25.367 | 260.2 | 0.054 |
| 25 | 9.865 | 33.110 | 25.499 | 247.8 | 0.067 |
| 30 | 9.648 | 33.195 | 25.601 | 238.1 | 0.079 |
| 35 | 9.435 | 33.287 | 25.708 | 228.1 | 0.091 |
| 40 | 9.255 | 33.383 | 25.812 | 218.3 | 0.102 |
| 45 | 9.158 | 33.446 | 25.877 | 212.2 | 0.113 |
| 50 | 9.091 | 33.484 | 25.917 | 208.5 | 0.123 |
| 60 | 8.743 | 33.626 | 26.083 | 192.9 | 0.143 |
| 70 | 8.783 | 33.707 | 26.140 | 187.6 | 0.162 |
| 80 | 8.845 | 33.813 | 26.213 | 180.9 | 0.181 |
| 90 | 9.032 | 33.905 | 26.256 | 177.0 | 0.199 |
| 100 | 8.846 | 33.951 | 26.321 | 171.0 | 0.216 |
| 125 | 8.639 | 34.029 | 26.415 | 162.5 | 0.258 |
| 150 | 8.422 | 34.046 | 26.461 | 158.5 | 0.298 |
| 175 | 8.251 | 34.075 | 26.510 | 154.3 | 0.337 |
| 200 | 7.557 | 33.999 | 26.552 | 150.4 | 0.375 |
| 225 | 7.443 | 34.018 | 26.584 | 147.8 | 0.412 |
| 250 | 7.179 | 34.029 | 26.629 | 143.7 | 0.449 |
| 275 | 7.274 | 34.089 | 26.663 | 140.9 | 0.484 |
| 300 | 7.210 | 34.135 | 26.708 | 137.0 | 0.519 |
| 325 | 7.216 | 34.179 | 26.742 | 134.2 | 0.553 |
| 350 | 6.903 | 34.172 | 26.780 | 130.8 | 0.586 |
| 375 | 6.674 | 34.183 | 26.820 | 127.2 | 0.618 |
| 400 | 6.473 | 34.181 | 26.845 | 125.1 | 0.650 |
| 425 | 6.236 | 34.195 | 26.887 | 121.2 | 0.681 |
| 450 | 5.984 | 34.187 | 26.912 | 118.9 | 0.711 |
| 475 | 5.844 | 34.189 | 26.931 | 117.2 | 0.740 |
| 499 | 5.732 | 34.207 | 26.960 | 114.8 | 0.768 |



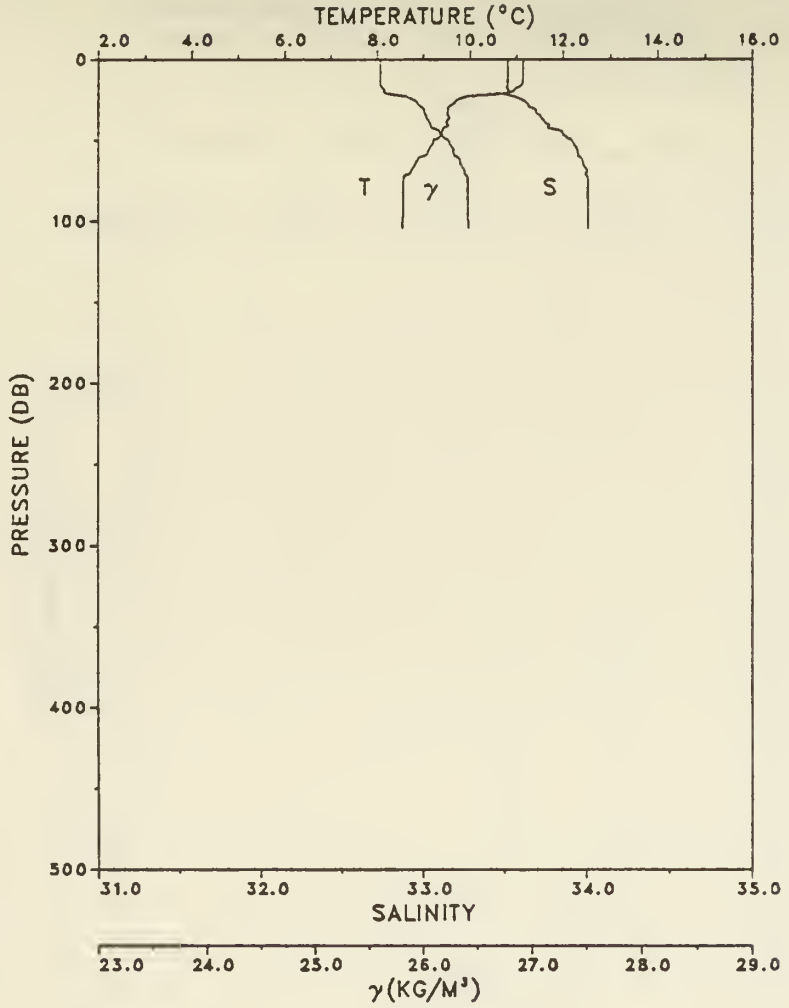

STATION: 3 LAT: 38 47.3 N LON: 123 50.5 W
DATE: 6/16/87 TIME: 1248Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.017 | 33.219 | 25.386 | 258.0 | 0.000 |
| 5 | 11.015 | 33.218 | 25.386 | 258.2 | 0.010 |
| 10 | 10.983 | 33.212 | 25.387 | 258.2 | 0.023 |
| 15 | 9.984 | 33.166 | 25.523 | 245.3 | 0.036 |
| 20 | 10.114 | 33.432 | 25.709 | 227.7 | 0.048 |
| 25 | 9.995 | 33.510 | 25.790 | 220.2 | 0.059 |
| 30 | 9.769 | 33.597 | 25.895 | 210.2 | 0.070 |
| 35 | 9.754 | 33.619 | 25.915 | 208.4 | 0.080 |
| 40 | 9.565 | 33.657 | 25.976 | 202.7 | 0.090 |
| 45 | 9.263 | 33.697 | 26.056 | 195.2 | 0.100 |
| 50 | 9.175 | 33.697 | 26.070 | 193.9 | 0.110 |
| 60 | 8.787 | 33.740 | 26.165 | 185.1 | 0.129 |
| 70 | 8.558 | 33.795 | 26.244 | 177.8 | 0.147 |
| 80 | 8.362 | 33.827 | 26.299 | 172.7 | 0.165 |
| 90 | 8.283 | 33.877 | 26.350 | 168.0 | 0.182 |
| 100 | 8.123 | 33.930 | 26.416 | 161.9 | 0.198 |
| 125 | 8.274 | 34.047 | 26.485 | 155.8 | 0.238 |
| 150 | 8.191 | 34.106 | 26.543 | 150.7 | 0.276 |
| 175 | 7.950 | 34.110 | 26.583 | 147.3 | 0.313 |
| 200 | 7.766 | 34.120 | 26.617 | 144.3 | 0.350 |
| 225 | 7.619 | 34.136 | 26.651 | 141.5 | 0.386 |
| 250 | 7.390 | 34.148 | 26.693 | 137.8 | 0.421 |
| 275 | 7.327 | 34.151 | 26.705 | 137.1 | 0.455 |
| 299 | 7.030 | 34.153 | 26.748 | 133.2 | 0.487 |



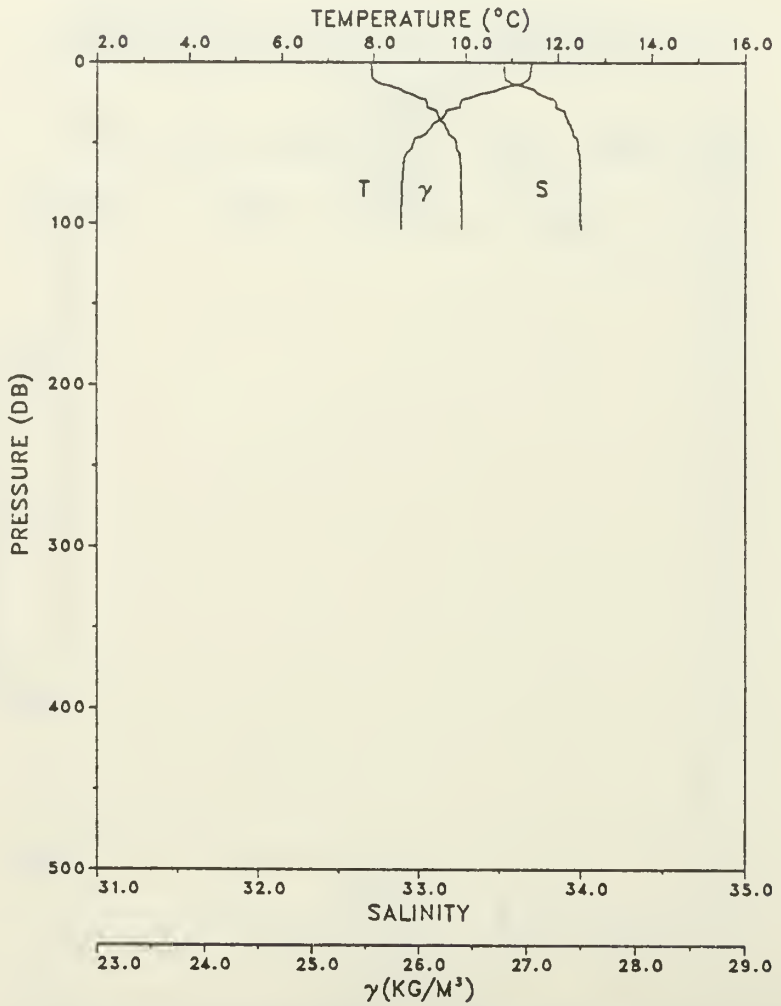

STATION: 4 LAT: 38 53.3 N LON: 123 50.6 W
DATE: 6/16/87 TIME: 1406Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.157 | 33.405 | 25.506 | 246.7 | 0.000 |
| 5 | 11.158 | 33.409 | 25.509 | 246.5 | 0.010 |
| 10 | 11.158 | 33.409 | 25.509 | 246.6 | 0.022 |
| 15 | 11.025 | 33.396 | 25.523 | 245.4 | 0.034 |
| 20 | 10.207 | 33.367 | 25.642 | 234.1 | 0.046 |
| 25 | 9.574 | 33.457 | 25.818 | 217.4 | 0.058 |
| 30 | 9.402 | 33.524 | 25.899 | 209.9 | 0.068 |
| 35 | 9.268 | 33.613 | 25.990 | 201.3 | 0.079 |
| 40 | 9.298 | 33.634 | 26.001 | 200.3 | 0.089 |
| 45 | 9.242 | 33.671 | 26.039 | 196.8 | 0.099 |
| 50 | 9.106 | 33.680 | 26.068 | 194.1 | 0.108 |
| 60 | 8.999 | 33.794 | 26.174 | 184.2 | 0.127 |
| 70 | 9.132 | 33.887 | 26.226 | 179.5 | 0.146 |
| 80 | 9.148 | 33.913 | 26.244 | 178.0 | 0.163 |
| 90 | 8.977 | 33.943 | 26.294 | 173.4 | 0.181 |
| 100 | 8.708 | 33.968 | 26.356 | 167.7 | 0.198 |
| 120 | 8.405 | 34.060 | 26.475 | 156.7 | 0.231 |



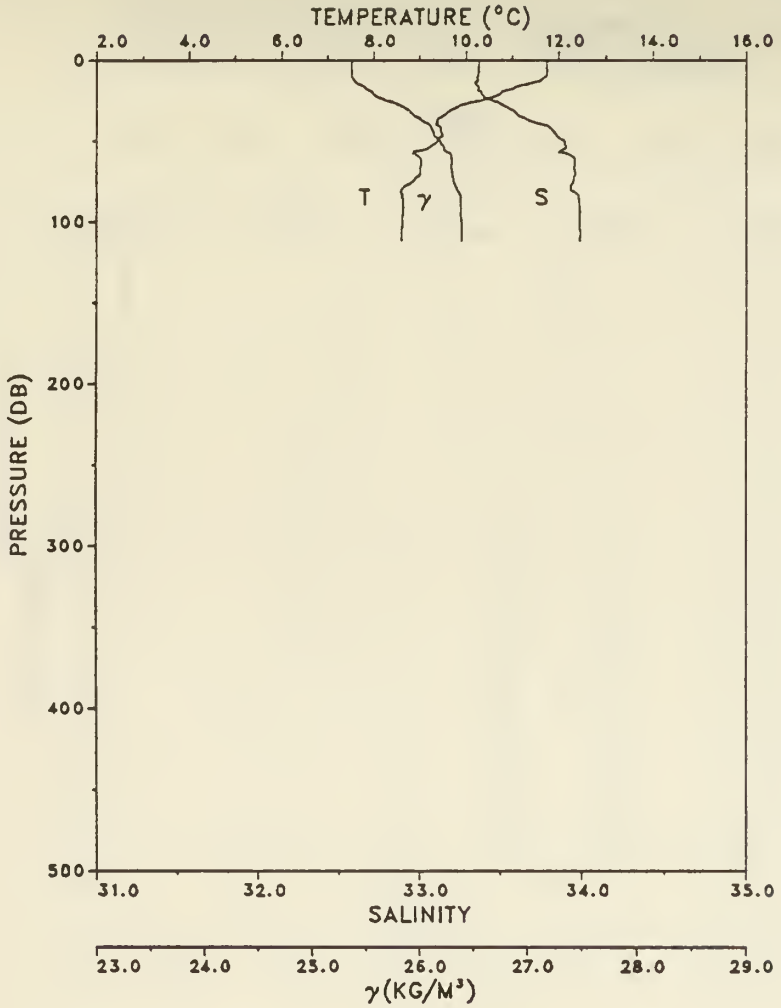

STATION: 5 LAT: 39 0.1 N LON: 123 51.3 W
DATE: 6/16/87 TIME: 1536Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.137 | 33.519 | 25.598 | 237.9 | 0.000 |
| 5 | 11.134 | 33.519 | 25.599 | 237.9 | 0.010 |
| 10 | 11.130 | 33.519 | 25.600 | 238.0 | 0.021 |
| 15 | 11.127 | 33.519 | 25.600 | 238.0 | 0.033 |
| 20 | 10.939 | 33.517 | 25.632 | 235.1 | 0.045 |
| 25 | 9.727 | 33.608 | 25.911 | 208.6 | 0.056 |
| 30 | 9.524 | 33.661 | 25.986 | 201.6 | 0.066 |
| 35 | 9.549 | 33.718 | 26.026 | 197.9 | 0.076 |
| 40 | 9.495 | 33.753 | 26.062 | 194.5 | 0.086 |
| 45 | 9.412 | 33.849 | 26.151 | 186.2 | 0.096 |
| 50 | 9.224 | 33.910 | 26.229 | 178.9 | 0.105 |
| 60 | 9.029 | 33.943 | 26.286 | 173.6 | 0.123 |
| 70 | 8.736 | 34.002 | 26.378 | 165.0 | 0.139 |
| 80 | 8.561 | 34.008 | 26.410 | 162.1 | 0.156 |
| 90 | 8.561 | 34.009 | 26.411 | 162.2 | 0.172 |
| 100 | 8.553 | 34.009 | 26.412 | 162.3 | 0.188 |
| 105 | 8.551 | 34.009 | 26.413 | 162.4 | 0.196 |



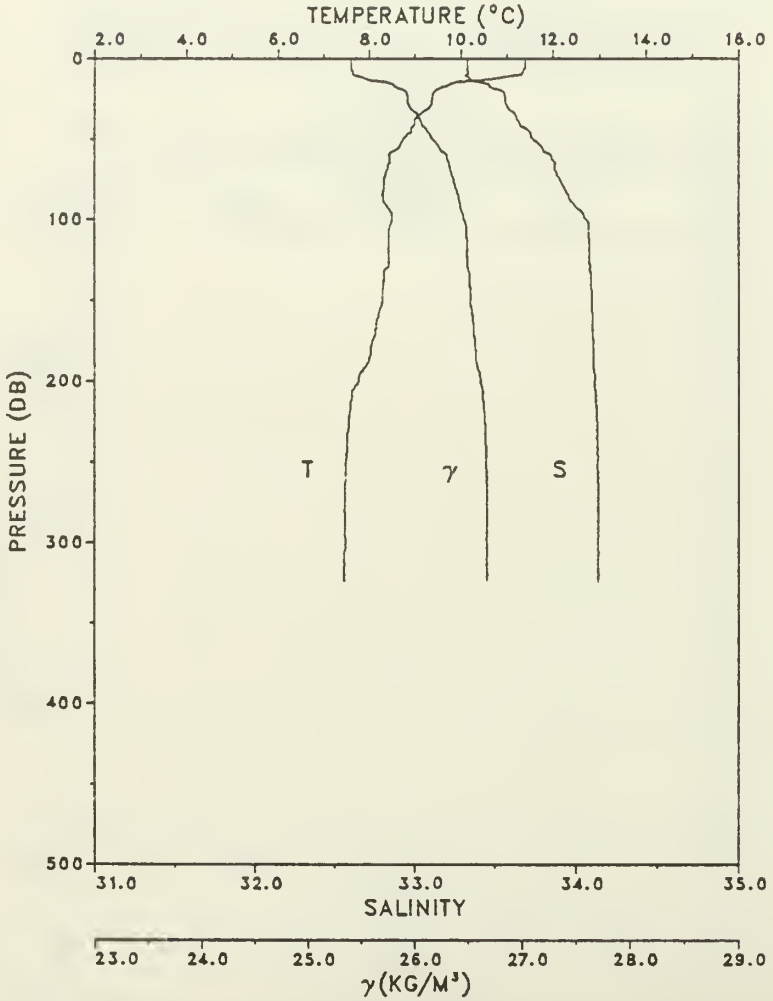

STATION: 6 LAT: 39 6.6 N LON: 123 51.8 W
DATE: 6/16/87 TIME: 1648Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.425 | 33.523 | 25.549 | 242.6 | 0.000 |
| 5 | 11.407 | 33.524 | 25.553 | 242.3 | 0.010 |
| 10 | 11.370 | 33.531 | 25.565 | 241.2 | 0.022 |
| 15 | 10.940 | 33.641 | 25.728 | 225.8 | 0.033 |
| 20 | 10.314 | 33.744 | 25.918 | 207.9 | 0.044 |
| 25 | 9.890 | 33.844 | 26.068 | 193.7 | 0.054 |
| 30 | 9.572 | 33.896 | 26.162 | 184.9 | 0.064 |
| 35 | 9.474 | 33.912 | 26.190 | 182.3 | 0.073 |
| 40 | 9.263 | 33.936 | 26.243 | 177.3 | 0.082 |
| 45 | 9.114 | 33.949 | 26.277 | 174.2 | 0.091 |
| 50 | 8.858 | 33.978 | 26.341 | 168.3 | 0.099 |
| 60 | 8.662 | 33.990 | 26.381 | 164.6 | 0.116 |
| 70 | 8.641 | 33.992 | 26.385 | 164.3 | 0.132 |
| 80 | 8.616 | 33.994 | 26.391 | 164.0 | 0.149 |
| 90 | 8.606 | 33.994 | 26.392 | 164.0 | 0.165 |
| 100 | 8.602 | 33.995 | 26.394 | 164.1 | 0.182 |
| 104 | 8.595 | 33.997 | 26.396 | 163.9 | 0.188 |



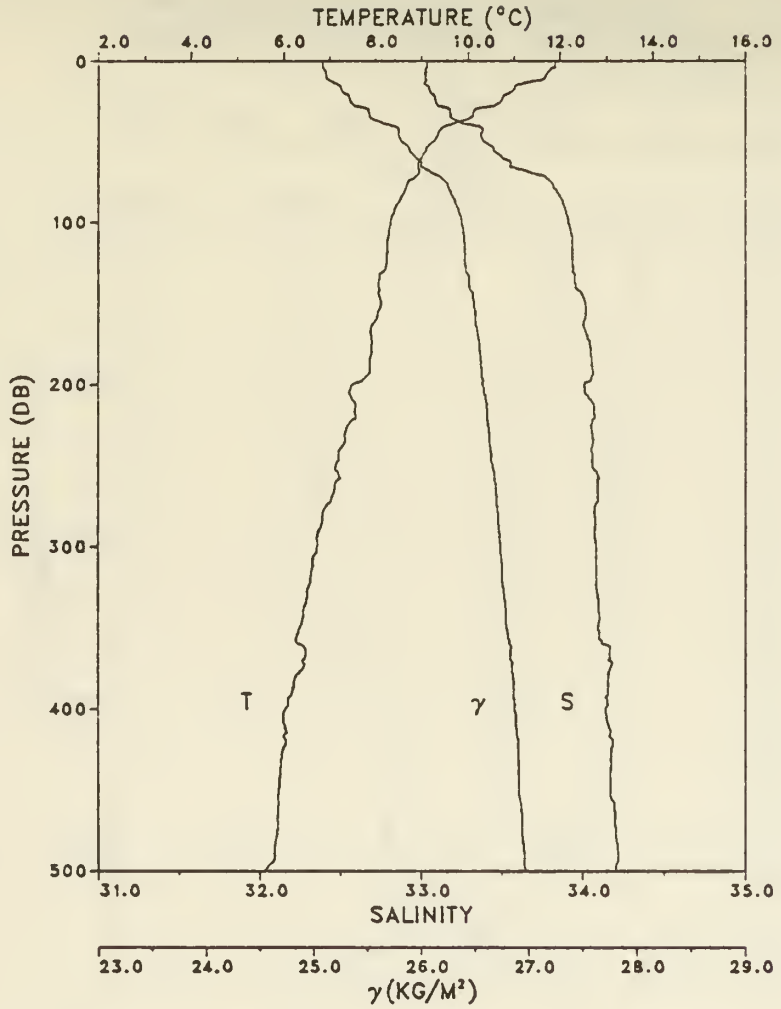

STATION: 7 LAT: 39 13.3 N LON: 123 51.8 W
DATE: 6/16/87 TIME: 1811Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.738 | 33.364 | 25.358 | 259.8 | 0.000 |
| 5 | 11.746 | 33.363 | 25.366 | 260.1 | 0.010 |
| 10 | 11.742 | 33.359 | 25.363 | 260.4 | 0.023 |
| 15 | 11.347 | 33.347 | 25.427 | 254.5 | 0.036 |
| 20 | 10.769 | 33.380 | 25.555 | 242.4 | 0.049 |
| 25 | 10.326 | 33.443 | 25.681 | 230.5 | 0.061 |
| 30 | 9.754 | 33.552 | 25.863 | 213.3 | 0.072 |
| 35 | 9.492 | 33.616 | 25.956 | 204.5 | 0.082 |
| 40 | 9.342 | 33.749 | 26.084 | 192.4 | 0.092 |
| 45 | 9.468 | 33.833 | 26.129 | 188.3 | 0.102 |
| 50 | 9.373 | 33.888 | 26.188 | 182.8 | 0.111 |
| 60 | 8.969 | 33.938 | 26.292 | 173.1 | 0.129 |
| 70 | 9.010 | 33.959 | 26.302 | 172.3 | 0.146 |
| 80 | 8.590 | 33.931 | 26.345 | 168.3 | 0.163 |
| 90 | 8.627 | 33.984 | 26.381 | 165.1 | 0.180 |
| 100 | 8.613 | 33.985 | 26.384 | 165.0 | 0.196 |
| 112 | 8.591 | 33.986 | 26.388 | 164.8 | 0.216 |



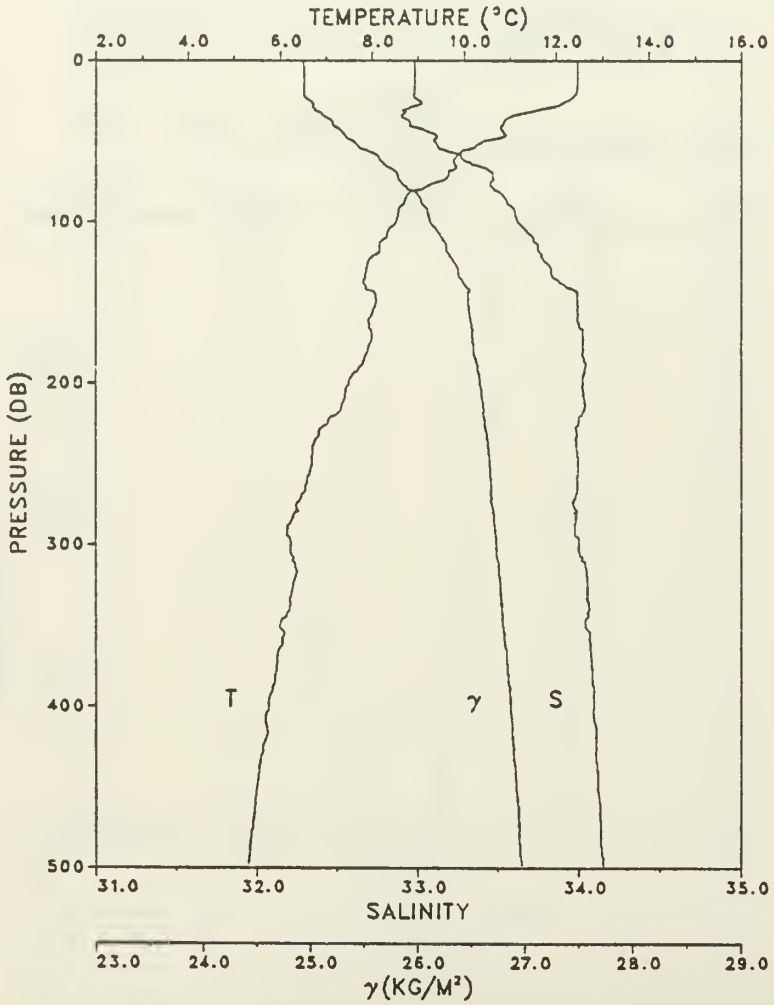

STATION: 8 LAT: 39 13.4 N LON: 123 57.8 W
DATE: 6/16/87 TIME: 1906Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.393 | 33.328 | 25.403 | 256.4 | 0.000 |
| 5 | 11.396 | 33.327 | 25.402 | 256.6 | 0.010 |
| 10 | 11.322 | 33.328 | 25.416 | 255.4 | 0.023 |
| 15 | 9.879 | 33.406 | 25.728 | 225.8 | 0.035 |
| 20 | 9.434 | 33.543 | 25.908 | 208.8 | 0.046 |
| 25 | 9.378 | 33.562 | 25.932 | 206.6 | 0.056 |
| 30 | 9.322 | 33.577 | 25.953 | 204.7 | 0.067 |
| 35 | 9.105 | 33.623 | 26.024 | 198.1 | 0.077 |
| 40 | 8.985 | 33.649 | 26.063 | 194.4 | 0.087 |
| 45 | 8.925 | 33.703 | 26.115 | 189.6 | 0.096 |
| 50 | 8.730 | 33.733 | 26.169 | 184.6 | 0.105 |
| 60 | 8.430 | 33.840 | 26.299 | 172.4 | 0.123 |
| 70 | 8.374 | 33.872 | 26.332 | 169.3 | 0.140 |
| 80 | 8.326 | 33.924 | 26.380 | 165.0 | 0.157 |
| 90 | 8.338 | 33.978 | 26.421 | 161.3 | 0.173 |
| 100 | 8.494 | 34.060 | 26.461 | 157.6 | 0.189 |
| 125 | 8.423 | 34.082 | 26.489 | 155.4 | 0.228 |
| 150 | 8.287 | 34.096 | 26.521 | 152.8 | 0.267 |
| 175 | 8.071 | 34.105 | 26.561 | 149.4 | 0.305 |
| 200 | 7.767 | 34.113 | 26.612 | 144.9 | 0.342 |
| 225 | 7.548 | 34.128 | 26.655 | 141.1 | 0.377 |
| 250 | 7.486 | 34.133 | 26.668 | 140.2 | 0.413 |
| 275 | 7.460 | 34.137 | 26.675 | 140.0 | 0.448 |
| 300 | 7.478 | 34.135 | 26.671 | 140.8 | 0.483 |
| 324 | 7.444 | 34.137 | 26.677 | 140.5 | 0.516 |



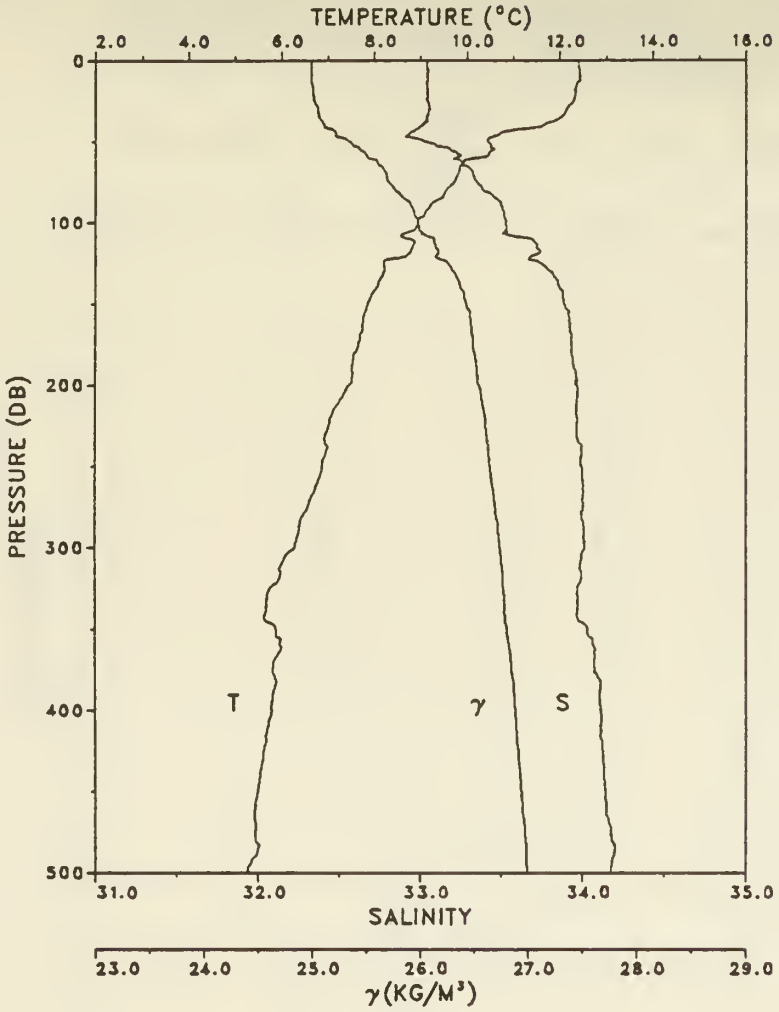

STATION: 9 LAT: 39 14.2 N LON: 124 4.3 W
DATE: 6/16/87 TIME: 2000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.894 | 33.031 | 25.080 | 287.1 | 0.000 |
| 5 | 11.782 | 33.023 | 25.095 | 285.8 | 0.011 |
| 10 | 11.674 | 33.024 | 25.116 | 284.0 | 0.026 |
| 15 | 11.074 | 33.023 | 25.224 | 273.8 | 0.040 |
| 20 | 10.880 | 33.055 | 25.283 | 268.3 | 0.053 |
| 25 | 10.708 | 33.088 | 25.339 | 263.1 | 0.066 |
| 30 | 10.137 | 33.174 | 25.504 | 247.4 | 0.079 |
| 35 | 10.076 | 33.181 | 25.519 | 246.0 | 0.092 |
| 40 | 9.601 | 33.307 | 25.697 | 229.3 | 0.103 |
| 45 | 9.352 | 33.366 | 25.785 | 221.0 | 0.115 |
| 50 | 9.243 | 33.386 | 25.816 | 218.1 | 0.126 |
| 60 | 8.992 | 33.497 | 25.943 | 206.2 | 0.147 |
| 70 | 8.926 | 33.699 | 26.111 | 190.4 | 0.167 |
| 80 | 8.635 | 33.837 | 26.265 | 175.9 | 0.185 |
| 90 | 8.441 | 33.883 | 26.331 | 169.8 | 0.202 |
| 100 | 8.320 | 33.912 | 26.372 | 166.1 | 0.219 |
| 125 | 8.235 | 33.936 | 26.403 | 163.5 | 0.260 |
| 150 | 8.111 | 34.015 | 26.484 | 156.3 | 0.300 |
| 175 | 7.918 | 34.043 | 26.535 | 151.8 | 0.339 |
| 200 | 7.502 | 34.007 | 26.567 | 149.0 | 0.376 |
| 225 | 7.397 | 34.049 | 26.615 | 144.8 | 0.413 |
| 250 | 7.134 | 34.057 | 26.658 | 141.0 | 0.449 |
| 275 | 6.927 | 34.074 | 26.699 | 137.3 | 0.484 |
| 300 | 6.735 | 34.081 | 26.731 | 134.6 | 0.518 |
| 325 | 6.540 | 34.084 | 26.759 | 132.1 | 0.551 |
| 350 | 6.347 | 34.093 | 26.792 | 129.3 | 0.584 |
| 375 | 6.426 | 34.167 | 26.840 | 125.1 | 0.615 |
| 400 | 6.039 | 34.140 | 26.868 | 122.4 | 0.646 |
| 425 | 5.988 | 34.177 | 26.904 | 119.4 | 0.677 |
| 450 | 5.906 | 34.168 | 26.907 | 119.3 | 0.706 |
| 475 | 5.878 | 34.203 | 26.938 | 116.6 | 0.736 |
| 499 | 5.634 | 34.202 | 26.968 | 113.9 | 0.764 |



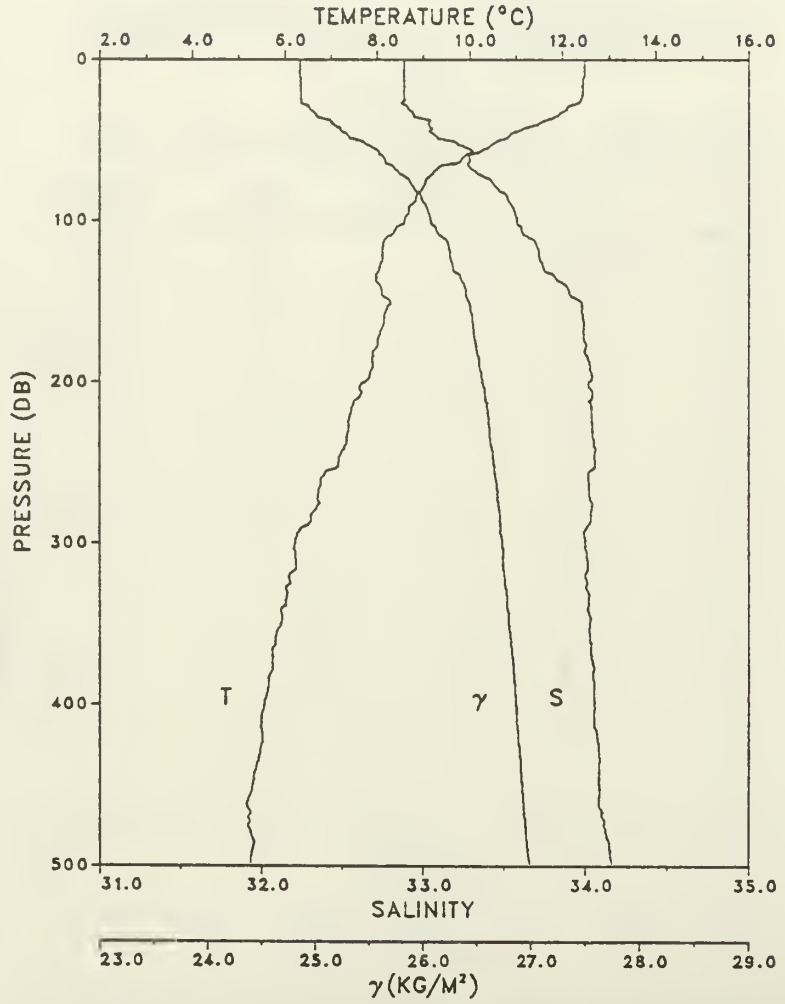

STATION: 10 LAT: 39 13.2 N LON: 124 11.4 W
DATE: 6/16/87 TIME: 2100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.463 | 32.979 | 24.933 | 301.2 | 0.000 |
| 5 | 12.457 | 32.980 | 24.934 | 301.1 | 0.012 |
| 10 | 12.456 | 32.980 | 24.935 | 301.2 | 0.027 |
| 15 | 12.454 | 32.980 | 24.935 | 301.3 | 0.042 |
| 20 | 12.441 | 32.979 | 24.937 | 301.3 | 0.057 |
| 25 | 12.254 | 33.007 | 24.994 | 295.9 | 0.072 |
| 30 | 11.744 | 32.940 | 25.038 | 291.9 | 0.087 |
| 35 | 11.030 | 32.894 | 25.131 | 283.0 | 0.101 |
| 40 | 10.846 | 32.952 | 25.209 | 275.7 | 0.115 |
| 45 | 10.863 | 33.071 | 25.298 | 267.3 | 0.129 |
| 50 | 10.439 | 33.102 | 25.396 | 258.1 | 0.142 |
| 60 | 9.809 | 33.270 | 25.633 | 235.7 | 0.167 |
| 70 | 9.665 | 33.463 | 25.808 | 219.3 | 0.189 |
| 80 | 9.060 | 33.468 | 25.909 | 209.7 | 0.211 |
| 90 | 8.651 | 33.566 | 26.050 | 196.5 | 0.231 |
| 100 | 8.526 | 33.620 | 26.111 | 190.8 | 0.250 |
| 125 | 7.916 | 33.791 | 26.337 | 169.7 | 0.296 |
| 150 | 8.091 | 33.990 | 26.467 | 157.8 | 0.336 |
| 175 | 7.958 | 34.025 | 26.515 | 153.7 | 0.375 |
| 200 | 7.496 | 34.023 | 26.580 | 147.8 | 0.413 |
| 225 | 7.030 | 33.995 | 26.623 | 143.8 | 0.450 |
| 250 | 6.686 | 33.994 | 26.669 | 139.7 | 0.485 |
| 275 | 6.358 | 33.966 | 26.690 | 137.9 | 0.520 |
| 300 | 6.239 | 34.000 | 26.732 | 134.1 | 0.554 |
| 325 | 6.290 | 34.052 | 26.767 | 131.2 | 0.587 |
| 350 | 5.993 | 34.038 | 26.794 | 128.8 | 0.619 |
| 375 | 5.923 | 34.078 | 26.834 | 125.3 | 0.651 |
| 400 | 5.750 | 34.089 | 26.864 | 122.6 | 0.682 |
| 425 | 5.626 | 34.105 | 26.892 | 120.1 | 0.712 |
| 450 | 5.495 | 34.117 | 26.917 | 117.9 | 0.742 |
| 475 | 5.400 | 34.134 | 26.942 | 115.8 | 0.771 |
| 499 | 5.297 | 34.150 | 26.967 | 113.6 | 0.799 |



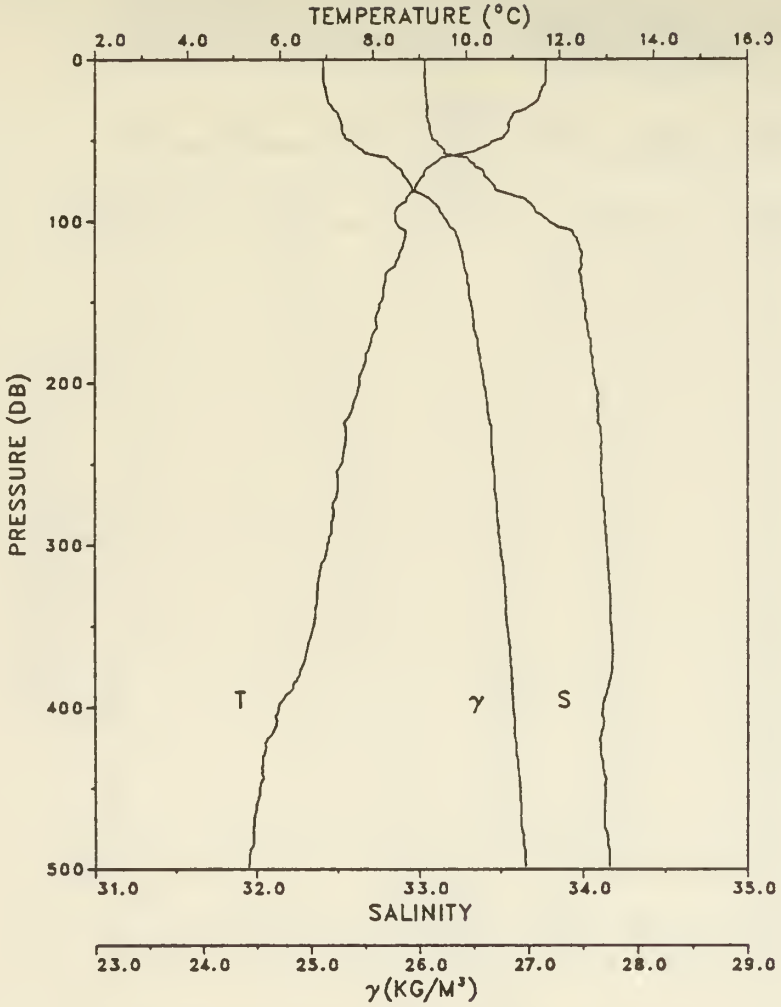

STATION: 11 LAT: 39 13.1 N LON: 124 19.0 W
DATE: 6/16/87 TIME: 2218Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.403 | 33.037 | 24.989 | 295.8 | 0.000 |
| 5 | 12.419 | 33.041 | 24.989 | 295.9 | 0.012 |
| 10 | 12.434 | 33.041 | 24.986 | 296.3 | 0.027 |
| 15 | 12.355 | 33.039 | 25.000 | 295.1 | 0.041 |
| 20 | 12.336 | 33.039 | 25.003 | 294.9 | 0.056 |
| 25 | 12.285 | 33.042 | 25.015 | 293.9 | 0.071 |
| 30 | 12.156 | 33.056 | 25.051 | 290.6 | 0.086 |
| 35 | 12.042 | 33.030 | 25.052 | 290.6 | 0.100 |
| 40 | 11.671 | 33.015 | 25.109 | 285.2 | 0.114 |
| 45 | 10.732 | 32.936 | 25.216 | 275.1 | 0.128 |
| 50 | 10.437 | 33.023 | 25.335 | 263.9 | 0.142 |
| 60 | 10.395 | 33.230 | 25.503 | 248.1 | 0.168 |
| 70 | 9.792 | 33.323 | 25.678 | 231.7 | 0.192 |
| 80 | 9.546 | 33.380 | 25.763 | 223.7 | 0.214 |
| 90 | 9.196 | 33.496 | 25.910 | 209.9 | 0.236 |
| 100 | 8.924 | 33.524 | 25.975 | 203.9 | 0.257 |
| 125 | 8.203 | 33.732 | 26.248 | 178.2 | .0.304 |
| 150 | 7.853 | 33.878 | 26.415 | 162.8 | 0.347 |
| 175 | 7.651 | 33.930 | 26.485 | 156.5 | 0.387 |
| 200 | 7.457 | 33.962 | 26.538 | 151.8 | 0.425 |
| 225 | 7.023 | 33.965 | 26.601 | 146.0 | 0.463 |
| 250 | 6.871 | 33.991 | 26.642 | 142.4 | 0.499 |
| 275 | 6.571 | 34.002 | 26.691 | 137.9 | 0.534 |
| 300 | 6.290 | 34.013 | 26.736 | 133.8 | 0.568 |
| 325 | 5.751 | 33.969 | 26.769 | 130.6 | 0.601 |
| 350 | 5.891 | 34.030 | 26.800 | 128.1 | 0.633 |
| 375 | 5.822 | 34.075 | 26.844 | 124.2 | 0.665 |
| 400 | 5.794 | 34.113 | 26.878 | 121.3 | 0.695 |
| 425 | 5.620 | 34.124 | 26.908 | 118.7 | 0.725 |
| 450 | 5.489 | 34.139 | 26.935 | 116.2 | 0.755 |
| 475 | 5.441 | 34.175 | 26.970 | 113.2 | 0.783 |
| 499 | 5.273 | 34.176 | 26.990 | 111.4 | 0.810 |



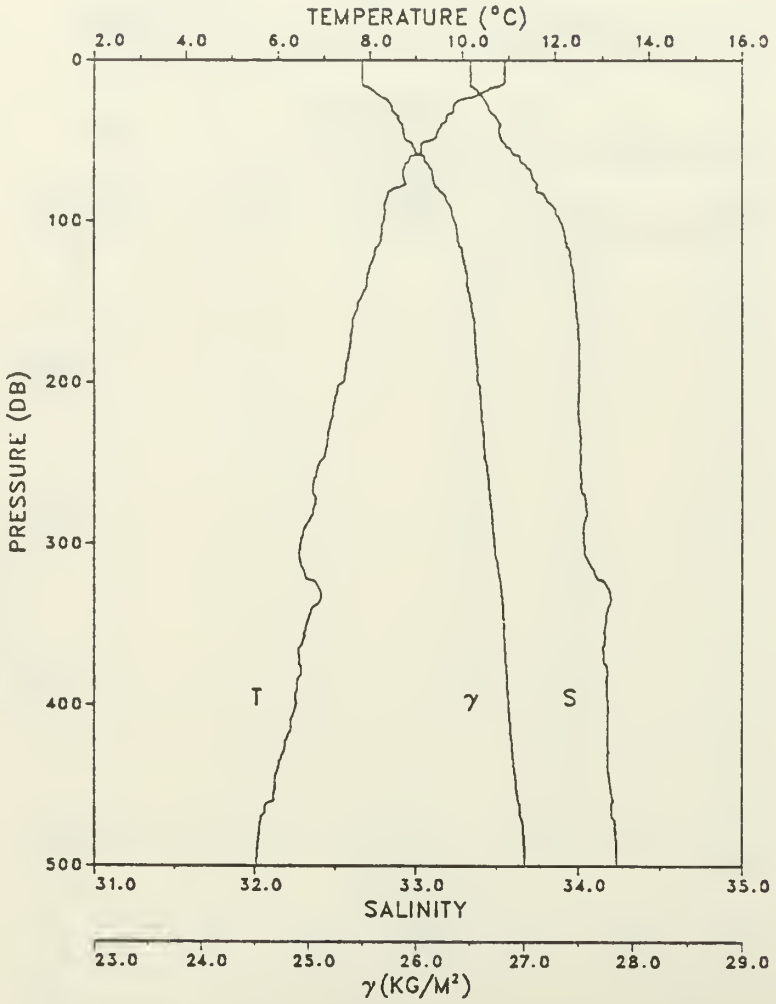

STATION: 12 LAT: 39 6.3 N LON: 124 12.3 W
DATE: 6/17/87 TIME: 0000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.470 | 32.880 | 24.854 | 308.7 | 0.000 |
| 5 | 12.471 | 32.880 | 24.854 | 308.8 | 0.012 |
| 10 | 12.473 | 32.880 | 24.854 | 308.9 | 0.028 |
| 15 | 12.436 | 32.881 | 24.862 | 308.3 | 0.043 |
| 20 | 12.436 | 32.880 | 24.861 | 308.5 | 0.059 |
| 25 | 12.394 | 32.884 | 24.872 | 307.5 | 0.074 |
| 30 | 12.096 | 32.904 | 24.944 | 300.8 | 0.089 |
| 35 | 11.896 | 32.942 | 25.011 | 294.5 | 0.104 |
| 40 | 11.503 | 33.029 | 25.151 | 281.3 | 0.119 |
| 45 | 11.041 | 33.030 | 25.235 | 273.4 | 0.132 |
| 50 | 10.656 | 33.135 | 25.384 | 259.2 | 0.146 |
| 60 | 9.909 | 33.280 | 25.625 | 236.5 | 0.170 |
| 70 | 9.225 | 33.324 | 25.771 | 222.8 | 0.193 |
| 80 | 8.972 | 33.459 | 25.916 | 209.1 | 0.215 |
| 90 | 8.747 | 33.541 | 26.016 | 199.8 | 0.235 |
| 100 | 8.587 | 33.577 | 26.068 | 194.9 | 0.255 |
| 125 | 8.095 | 33.725 | 26.259 | 177.2 | 0.302 |
| 150 | 8.291 | 33.975 | 26.426 | 161.9 | 0.344 |
| 175 | 8.017 | 33.998 | 26.485 | 156.6 | 0.384 |
| 200 | 7.739 | 34.018 | 26.541 | 151.5 | 0.422 |
| 225 | 7.384 | 34.040 | 26.609 | 145.3 | 0.460 |
| 250 | 7.163 | 34.055 | 26.652 | 141.6 | 0.495 |
| 275 | 6.757 | 34.042 | 26.697 | 137.4 | 0.530 |
| 300 | 6.221 | 33.999 | 26.734 | 134.0 | 0.564 |
| 325 | 6.122 | 34.009 | 26.754 | 132.3 | 0.597 |
| 350 | 5.916 | 34.027 | 26.794 | 128.7 | 0.630 |
| 375 | 5.728 | 34.048 | 26.834 | 125.1 | 0.662 |
| 400 | 5.550 | 34.054 | 26.861 | 122.7 | 0.693 |
| 425 | 5.485 | 34.081 | 26.890 | 120.2 | 0.723 |
| 450 | 5.295 | 34.085 | 26.916 | 117.9 | 0.753 |
| 475 | 5.199 | 34.111 | 26.948 | 115.0 | 0.782 |
| 499 | 5.246 | 34.162 | 26.982 | 112.1 | 0.809 |



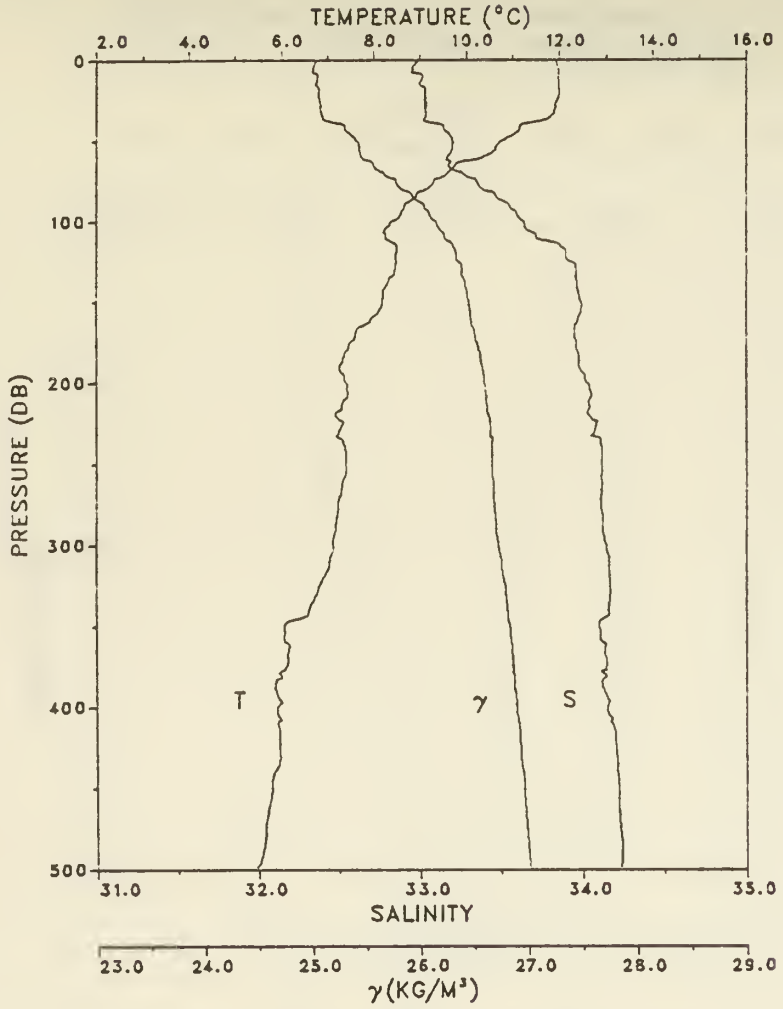

STATION: 13 LAT: 39 3.1 N LON: 124 7.3 W
DATE: 6/17/87 TIME: 0141Z

| | PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|---|
| | 2 | 11.711 | 33.031 | 25.114 | 283.9 | 0.000 |
| | 5 | 11.709 | 33.030 | 25.114 | 284.0 | 0.009 |
| | 10 | 11.707 | 33.030 | 25.114 | 284.1 | 0.023 |
| | 15 | 11.690 | 33.032 | 25.119 | 283.8 | 0.037 |
| | 20 | 11.593 | 33.039 | 25.142 | 281.7 | 0.051 |
| | 25 | 11.526 | 33.040 | 25.155 | 280.5 | 0.065 |
| | 30 | 11.312 | 33.051 | 25.203 | 276.1 | 0.079 |
| | 35 | 10.996 | 33.043 | 25.253 | 271.4 | 0.093 |
| | 40 | 10.906 | 33.063 | 25.284 | 268.5 | 0.106 |
| | 45 | 10.896 | 33.067 | 25.289 | 268.2 | 0.120 |
| | 50 | 10.646 | 33.092 | 25.353 | 262.2 | 0.133 |
| | 60 | 9.665 | 33.224 | 25.621 | 236.8 | 0.158 |
| | 70 | 9.099 | 33.394 | 25.845 | 215.6 | 0.180 |
| | 80 | 8.908 | 33.463 | 25.929 | 207.8 | 0.202 |
| | 90 | 8.597 | 33.690 | 26.155 | 186.5 | 0.221 |
| | 100 | 8.490 | 33.794 | 26.253 | 177.4 | 0.240 |
| | 125 | 8.503 | 33.989 | 26.404 | 163.5 | 0.282 |
| | 150 | 8.162 | 34.011 | 26.473 | 157.3 | 0.322 |
| | 175 | 7.946 | 34.047 | 26.534 | 151.9 | 0.361 |
| | 200 | 7.712 | 34.073 | 26.588 | 147.1 | 0.398 |
| | 225 | 7.375 | 34.086 | 26.647 | 141.8 | 0.434 |
| | 250 | 7.311 | 34.106 | 26.671 | 139.8 | 0.470 |
| • | 275 | 7.135 | 34.125 | 26.711 | 136.3 | 0.504 |
| • | 300 | 7.018 | 34.142 | 26.741 | 133.9 | 0.538 |
| • | 325 | 6.815 | 34.159 | 26.782 | 130.2 | 0.571 |
| | 350 | 6.715 | 34.169 | 26.803 | 128.5 | 0.603 |
| | 375 | 6.479 | 34.177 | 26.841 | 125.1 | 0.635 |
| | 400 | 5.969 | 34.120 | 26.861 | 123.0 | 0.666 |
| | 425 | 5.693 | 34.108 | 26.886 | 120.8 | 0.696 |
| | 450 | 5.563 | 34.133 | 26.922 | 117.6 | 0.726 |
| | 475 | 5.425 | 34.136 | 26.941 | 115.9 | 0.755 |
| | 499 | 5.326 | 34.160 | 26.971 | 113.2 | 0.783 |



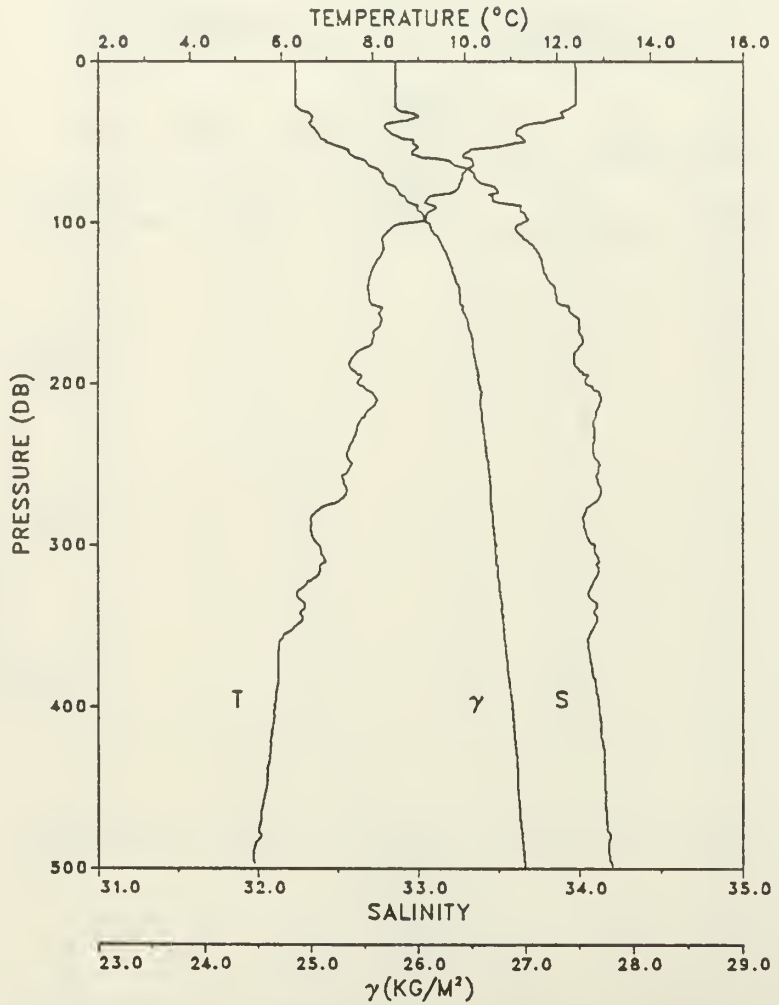

STATION: 14 LAT: 38 58.1 N LON: 124 2.3 W
DATE: 6/17/87 TIME: 0300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 10.908 | 33.335 | 25.496 | 247.6 | 0.000 |
| 5 | 10.915 | 33.335 | 25.495 | 247.8 | 0.010 |
| 10 | 10.910 | 33.337 | 25.497 | 247.7 | 0.022 |
| 15 | 10.885 | 33.338 | 25.502 | 247.3 | 0.035 |
| 20 | 10.427 | 33.385 | 25.619 | 236.3 | 0.047 |
| 25 | 9.918 | 33.431 | 25.741 | 224.8 | 0.058 |
| 30 | 9.814 | 33.450 | 25.773 | 221.8 | 0.069 |
| 35 | 9.662 | 33.494 | 25.833 | 216.3 | 0.080 |
| 40 | 9.544 | 33.521 | 25.873 | 212.5 | 0.091 |
| 45 | 9.456 | 33.515 | 25.883 | 211.7 | 0.102 |
| 50 | 9.309 | 33.525 | 25.914 | 208.8 | 0.112 |
| 60 | 8.867 | 33.640 | 26.074 | 193.7 | 0.132 |
| 70 | 8.713 | 33.711 | 26.154 | 186.3 | 0.151 |
| 80 | 8.511 | 33.744 | 26.211 | 181.0 | 0.170 |
| 90 | 8.308 | 33.836 | 26.314 | 171.4 | 0.187 |
| 100 | 8.295 | 33.887 | 26.356 | 167.6 | 0.204 |
| 125 | 8.054 | 33.953 | 26.444 | 159.6 | 0.245 |
| 150 | 7.742 | 33.982 | 26.512 | 153.5 | 0.284 |
| 175 | 7.579 | 34.001 | 26.551 | 150.2 | 0.322 |
| 200 | 7.407 | 34.000 | 26.575 | 148.2 | 0.360 |
| 225 | 7.139 | 34.002 | 26.614 | 144.8 | 0.396 |
| 250 | 6.893 | 34.011 | 26.654 | 141.2 | 0.432 |
| 275 | 6.809 | 34.045 | 26.693 | 137.9 | 0.467 |
| 300 | 6.495 | 34.034 | 26.726 | 134.9 | 0.501 |
| 325 | 6.856 | 34.170 | 26.785 | 129.9 | 0.534 |
| 350 | 6.617 | 34.164 | 26.812 | 127.5 | 0.566 |
| 375 | 6.473 | 34.168 | 26.834 | 125.7 | 0.598 |
| 400 | 6.382 | 34.181 | 26.857 | 123.8 | 0.629 |
| 425 | 6.157 | 34.181 | 26.886 | 121.2 | 0.660 |
| 450 | 5.934 | 34.193 | 26.923 | 117.8 | 0.690 |
| 475 | 5.602 | 34.225 | 26.990 | 111.5 | 0.718 |
| 499 | 5.524 | 34.236 | 27.008 | 110.0 | 0.745 |



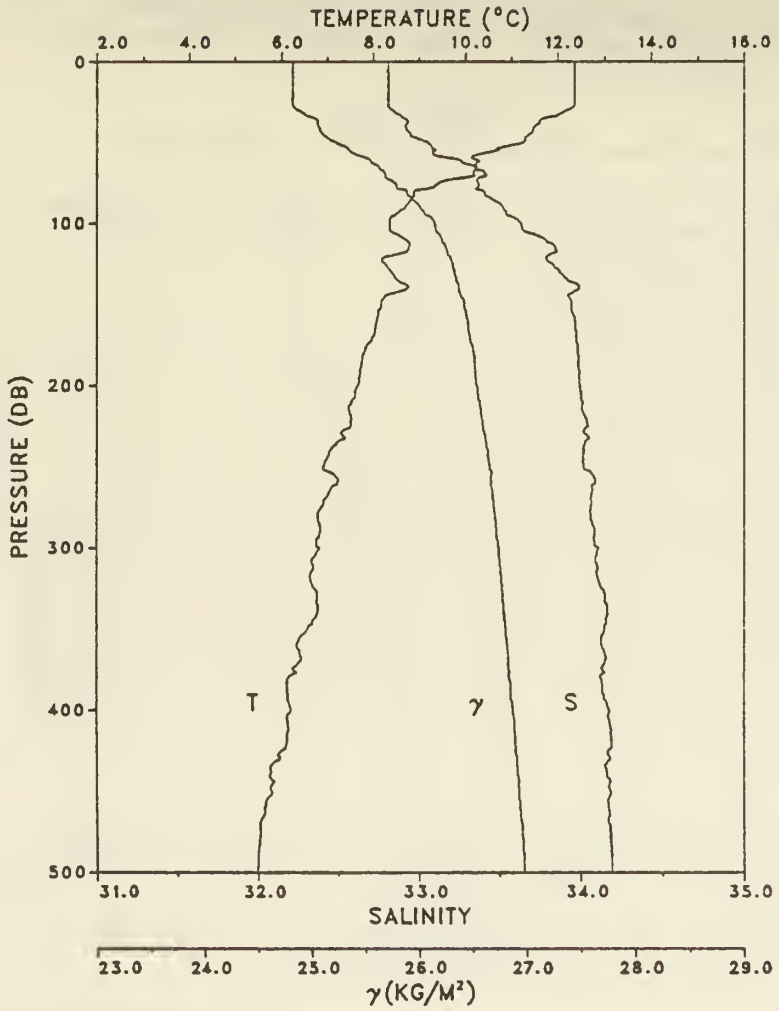

STATION: 15 LAT: 38 54.9 N LON: 124 11.9 W
DATE: 6/17/87 TIME: 0530Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.931 | 32.984 | 25.037 | 291.3 | 0.000 |
| 5 | 11.970 | 32.948 | 25.002 | 294.7 | 0.012 |
| 10 | 11.977 | 33.016 | 25.053 | 289.9 | 0.026 |
| 15 | 11.986 | 32.995 | 25.035 | 291.8 | 0.041 |
| 20 | 11.988 | 33.034 | 25.065 | 289.0 | 0.055 |
| 25 | 11.943 | 33.034 | 25.074 | 288.3 | 0.070 |
| 30 | 11.917 | 33.034 | 25.078 | 288.0 | 0.084 |
| 35 | 11.814 | 33.036 | 25.099 | 286.1 | 0.099 |
| 40 | 11.216 | 33.120 | 25.274 | 269.6 | 0.112 |
| 45 | 11.100 | 33.164 | 25.329 | 264.5 | 0.126 |
| 50 | 10.771 | 33.200 | 25.415 | 256.3 | 0.139 |
| 60 | 10.385 | 33.167 | 25.456 | 252.6 | 0.164 |
| 70 | 9.591 | 33.259 | 25.661 | 233.2 | 0.189 |
| 80 | 9.155 | 33.383 | 25.828 | 217.5 | 0.211 |
| 90 | 8.659 | 33.553 | 26.039 | 197.6 | 0.232 |
| 100 | 8.384 | 33.639 | 26.148 | 187.3 | 0.251 |
| 125 | 8.501 | 33.922 | 26.352 | 168.4 | 0.296 |
| 150 | 8.182 | 33.990 | 26.454 | 159.2 | 0.337 |
| 175 | 7.506 | 33.958 | 26.527 | 152.3 | 0.375 |
| 200 | 7.393 | 34.022 | 26.594 | 146.4 | 0.413 |
| 225 | 7.346 | 34.079 | 26.645 | 141.9 | 0.449 |
| 250 | 7.397 | 34.115 | 26.666 | 140.3 | 0.484 |
| 275 | 7.234 | 34.111 | 26.686 | 138.7 | 0.519 |
| 300 | 7.126 | 34.145 | 26.728 | 135.1 | 0.553 |
| 325 | 6.813 | 34.166 | 26.787 | 129.7 | 0.586 |
| 350 | 6.061 | 34.097 | 26.832 | 125.3 | 0.618 |
| 375 | 6.100 | 34.140 | 26.861 | 122.9 | 0.649 |
| 400 | 5.911 | 34.152 | 26.894 | 119.9 | 0.680 |
| 425 | 5.954 | 34.202 | 26.928 | 117.1 | 0.709 |
| 450 | 5.784 | 34.217 | 26.961 | 114.1 | 0.738 |
| 475 | 5.651 | 34.230 | 26.988 | 111.7 | 0.766 |
| 499 | 5.449 | 34.233 | 27.015 | 109.3 | 0.793 |



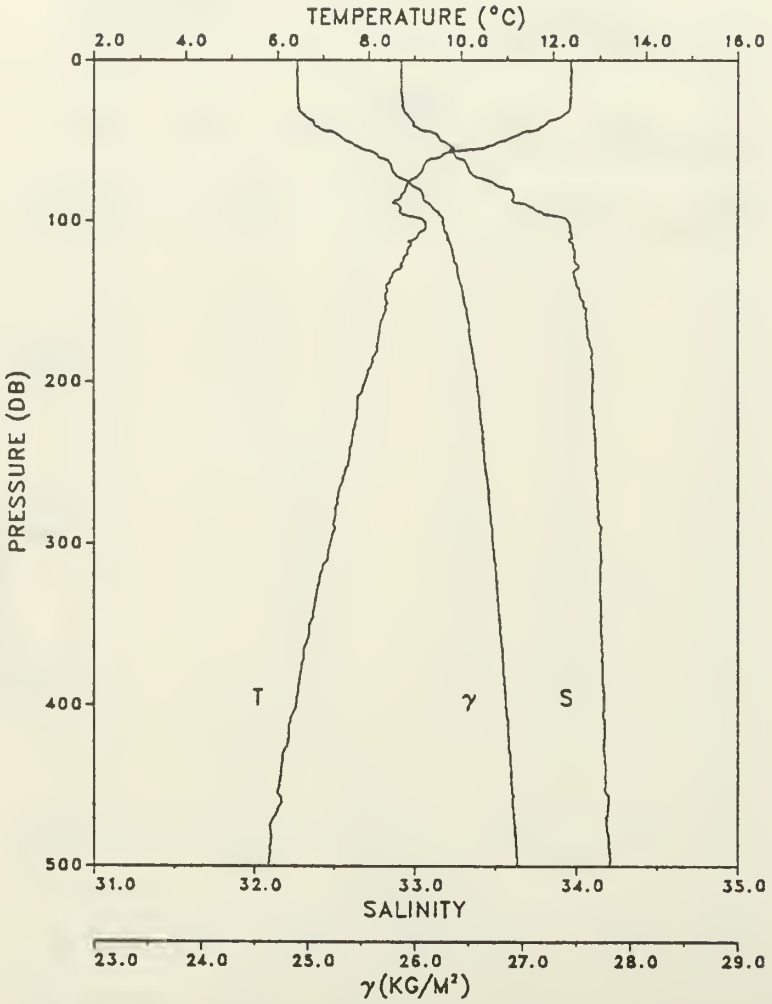

STATION: 16 LAT: 38 51.8 N LON: 124 23.1 W
DATE: 6/17/87 TIME: 0700Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.393 | 32.855 | 24.850 | 309.1 | 0.000 |
| 5 | 12.402 | 32.858 | 24.850 | 309.1 | 0.012 |
| 10 | 12.404 | 32.857 | 24.849 | 309.4 | 0.028 |
| 15 | 12.405 | 32.859 | 24.851 | 309.3 | 0.043 |
| 20 | 12.410 | 32.858 | 24.849 | 309.6 | 0.059 |
| 25 | 12.412 | 32.858 | 24.848 | 309.8 | 0.074 |
| 30 | 12.234 | 32.869 | 24.891 | 305.8 | 0.090 |
| 35 | 12.144 | 32.994 | 25.005 | 295.1 | 0.105 |
| 40 | 11.309 | 32.787 | 24.998 | 295.8 | 0.119 |
| 45 | 11.127 | 32.837 | 25.069 | 289.1 | 0.134 |
| 50 | 11.315 | 32.964 | 25.134 | 283.0 | 0.148 |
| 60 | 9.981 | 33.023 | 25.412 | 256.7 | 0.175 |
| 70 | 9.960 | 33.345 | 25.667 | 232.7 | 0.200 |
| 80 | 9.811 | 33.488 | 25.803 | 219.9 | 0.222 |
| 90 | 9.350 | 33.636 | 25.995 | 201.9 | 0.244 |
| 100 | 8.910 | 33.651 | 26.076 | 194.2 | 0.263 |
| 125 | 8.071 | 33.765 | 26.234 | 173.9 | 0.309 |
| 150 | 7.970 | 33.865 | 26.387 | 165.4 | 0.352 |
| 175 | 7.981 | 34.015 | 26.503 | 154.8 | 0.392 |
| 200 | 7.687 | 34.036 | 26.563 | 149.5 | 0.430 |
| 225 | 7.689 | 34.084 | 26.600 | 146.3 | 0.467 |
| 250 | 7.555 | 34.126 | 26.653 | 141.7 | 0.503 |
| 275 | 7.035 | 34.071 | 26.682 | 139.0 | 0.538 |
| 300 | 6.843 | 34.098 | 26.730 | 134.8 | 0.572 |
| 325 | 6.530 | 34.073 | 26.752 | 132.8 | 0.606 |
| 350 | 6.318 | 34.090 | 26.793 | 129.1 | 0.638 |
| 375 | 5.939 | 34.074 | 26.829 | 125.8 | 0.670 |
| 400 | 5.863 | 34.121 | 26.875 | 121.6 | 0.701 |
| 425 | 5.771 | 34.145 | 26.906 | 119.0 | 0.731 |
| 450 | 5.674 | 34.156 | 26.926 | 117.2 | 0.761 |
| 475 | 5.517 | 34.171 | 26.957 | 114.5 | 0.790 |
| 499 | 5.414 | 34.201 | 26.993 | 111.2 | 0.817 |



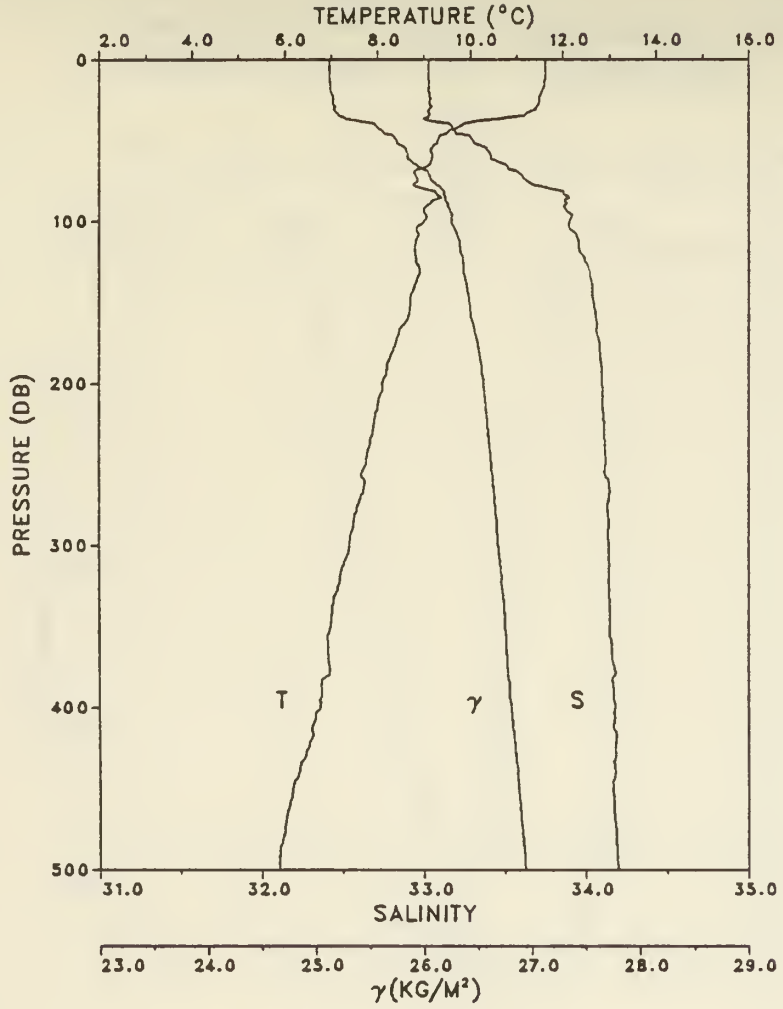

STATION: 17 LAT: 38 46.7 N LON: 124 17.0 W
DATE: 6/17/87 TIME: 0900Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.358 | 32.806 | 24.818 | 312.1 | 0.000 |
| 5 | 12.357 | 32.805 | 24.818 | 312.2 | 0.012 |
| 10 | 12.357 | 32.804 | 24.817 | 312.4 | 0.028 |
| 15 | 12.359 | 32.805 | 24.818 | 312.5 | 0.044 |
| 20 | 12.359 | 32.805 | 24.818 | 312.6 | 0.059 |
| 25 | 12.358 | 32.805 | 24.818 | 312.7 | 0.075 |
| 30 | 12.222 | 32.826 | 24.860 | 308.8 | 0.091 |
| 35 | 11.739 | 32.895 | 25.004 | 295.2 | 0.106 |
| 40 | 11.512 | 32.911 | 25.058 | 290.2 | 0.120 |
| 45 | 11.413 | 32.945 | 25.102 | 286.0 | 0.135 |
| 50 | 11.255 | 33.054 | 25.215 | 275.3 | 0.149 |
| 60 | 10.130 | 33.178 | 25.508 | 247.6 | 0.175 |
| 70 | 10.186 | 33.414 | 25.683 | 231.2 | 0.199 |
| 80 | 8.892 | 33.393 | 25.877 | 212.8 | 0.221 |
| 90 | 8.690 | 33.518 | 26.006 | 200.6 | 0.242 |
| 100 | 8.360 | 33.630 | 26.145 | 187.6 | 0.261 |
| 125 | 8.252 | 33.820 | 26.310 | 172.4 | 0.306 |
| 150 | 8.172 | 33.940 | 26.416 | 162.7 | 0.348 |
| 175 | 7.858 | 33.976 | 26.491 | 156.0 | 0.388 |
| 200 | 7.658 | 33.992 | 26.532 | 152.3 | 0.426 |
| 225 | 7.513 | 34.041 | 26.592 | 147.1 | 0.464 |
| 250 | 6.916 | 34.011 | 26.651 | 141.5 | 0.500 |
| 275 | 6.872 | 34.058 | 26.694 | 137.8 | 0.535 |
| 300 | 6.827 | 34.107 | 26.739 | 133.9 | 0.569 |
| 325 | 6.708 | 34.127 | 26.771 | 131.2 | 0.602 |
| 350 | 6.550 | 34.141 | 26.803 | 128.4 | 0.634 |
| 375 | 6.257 | 34.133 | 26.835 | 125.4 | 0.666 |
| 400 | 6.210 | 34.174 | 26.873 | 122.1 | 0.697 |
| 425 | 6.006 | 34.166 | 26.893 | 120.4 | 0.727 |
| 450 | 5.795 | 34.183 | 26.933 | 116.8 | 0.757 |
| 475 | 5.548 | 34.181 | 26.961 | 114.1 | 0.786 |
| 499 | 5.481 | 34.189 | 26.976 | 113.0 | 0.813 |



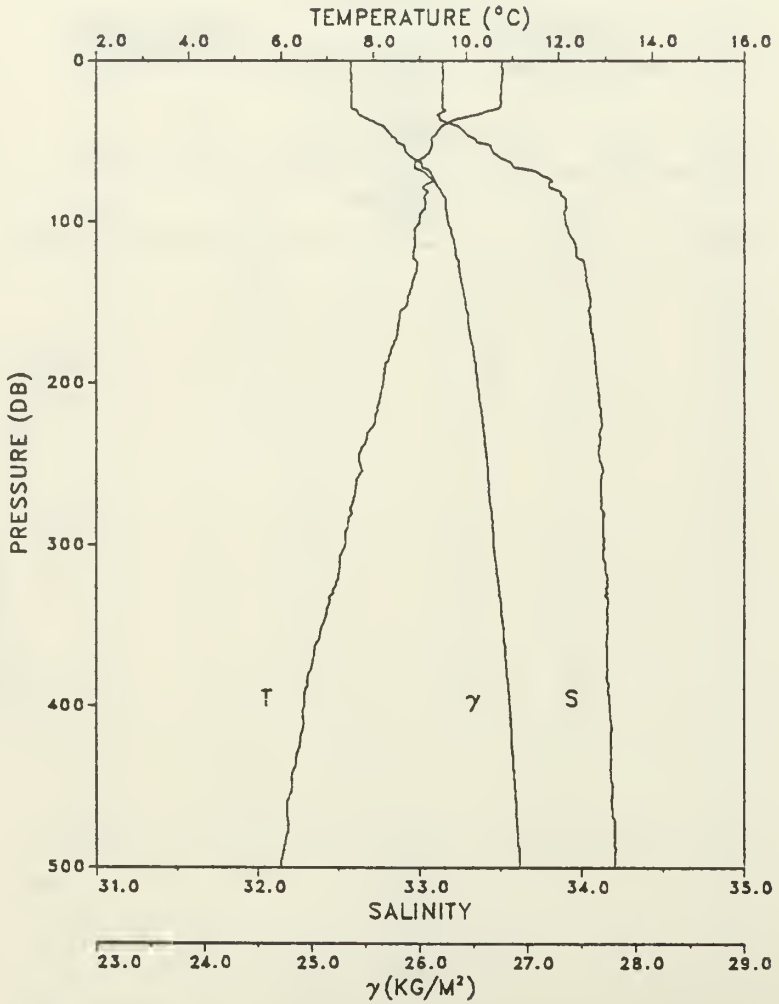

STATION: 18 LAT: 38 41.9 N LON: 124 11.8 W
DATE: 6/17/87 TIME: 1000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.381 | 32.914 | 24.898 | 304.5 | 0.000 |
| 5 | 12.382 | 32.914 | 24.898 | 304.6 | 0.012 |
| 10 | 12.381 | 32.914 | 24.898 | 304.7 | 0.027 |
| 15 | 12.380 | 32.915 | 24.899 | 304.8 | 0.043 |
| 20 | 12.379 | 32.915 | 24.899 | 304.8 | 0.058 |
| 25 | 12.365 | 32.920 | 24.906 | 304.3 | 0.073 |
| 30 | 12.337 | 32.928 | 24.917 | 303.4 | 0.088 |
| 35 | 12.184 | 32.961 | 24.972 | 298.3 | 0.103 |
| 40 | 11.837 | 32.989 | 25.058 | 290.1 | 0.118 |
| 45 | 11.363 | 33.102 | 25.233 | 273.6 | 0.132 |
| 50 | 10.957 | 33.162 | 25.353 | 262.3 | 0.146 |
| 60 | 9.579 | 33.252 | 25.657 | 233.4 | 0.170 |
| 70 | 9.121 | 33.342 | 25.801 | 219.8 | 0.193 |
| 80 | 8.794 | 33.561 | 26.024 | 198.8 | 0.214 |
| 90 | 8.630 | 33.684 | 26.146 | 187.4 | 0.233 |
| 100 | 9.200 | 33.942 | 26.258 | 177.1 | 0.251 |
| 125 | 8.751 | 33.987 | 26.364 | 167.3 | 0.295 |
| 150 | 8.401 | 34.041 | 26.461 | 158.6 | 0.335 |
| 175 | 8.200 | 34.079 | 26.521 | 153.2 | 0.374 |
| 200 | 7.920 | 34.100 | 26.579 | 148.0 | 0.412 |
| 225 | 7.706 | 34.107 | 26.616 | 144.9 | 0.448 |
| 250 | 7.540 | 34.120 | 26.630 | 142.0 | 0.484 |
| 275 | 7.321 | 34.133 | 26.691 | 138.3 | 0.519 |
| 300 | 7.151 | 34.143 | 26.723 | 135.6 | 0.554 |
| 325 | 6.892 | 34.145 | 26.760 | 132.3 | 0.587 |
| 350 | 6.696 | 34.148 | 26.789 | 129.8 | 0.620 |
| 375 | 6.529 | 34.158 | 26.819 | 127.2 | 0.652 |
| 400 | 6.401 | 34.170 | 26.845 | 124.9 | 0.683 |
| 425 | 6.210 | 34.172 | 26.872 | 122.6 | 0.714 |
| 450 | 6.037 | 34.178 | 26.899 | 120.2 | 0.745 |
| 475 | 5.844 | 34.187 | 26.930 | 117.4 | 0.774 |
| 499 | 5.788 | 34.202 | 26.949 | 115.9 | 0.802 |



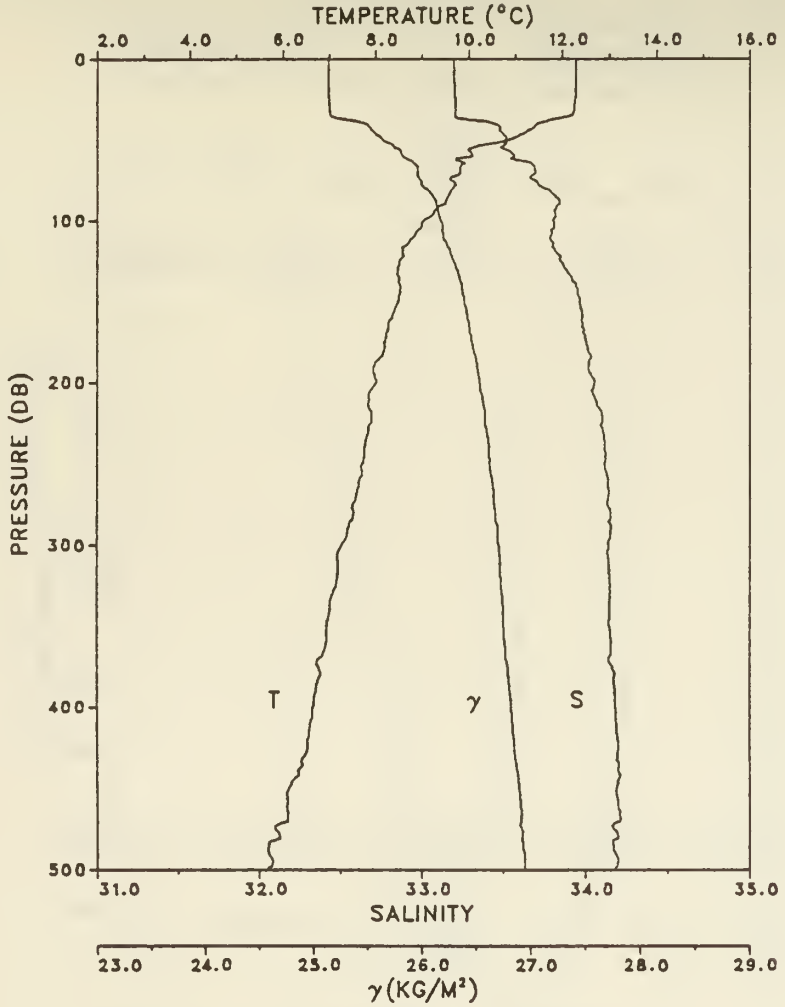

STATION: 19 LAT: 38 36.2 N LON: 124 6.1 W
DATE: 6/17/87 TIME: 1200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.624 | 33.028 | 25.128 | 282.6 | 0.000 |
| 5 | 11.622 | 33.026 | 25.127 | 282.8 | 0.011 |
| 10 | 11.613 | 33.025 | 25.128 | 282.8 | 0.025 |
| 15 | 11.599 | 33.028 | 25.133 | 282.5 | 0.040 |
| 20 | 11.537 | 33.031 | 25.146 | 281.3 | 0.054 |
| 25 | 11.487 | 33.034 | 25.158 | 280.3 | 0.068 |
| 30 | 11.415 | 33.035 | 25.172 | 279.1 | 0.082 |
| 35 | 11.151 | 33.028 | 25.214 | 275.2 | 0.096 |
| 40 | 9.866 | 33.152 | 25.532 | 244.9 | 0.109 |
| 45 | 9.518 | 33.195 | 25.623 | 236.4 | 0.121 |
| 50 | 9.291 | 33.303 | 25.744 | 225.0 | 0.132 |
| 60 | 9.176 | 33.410 | 25.846 | 215.4 | 0.154 |
| 70 | 8.793 | 33.585 | 26.043 | 196.8 | 0.175 |
| 80 | 8.963 | 33.766 | 26.158 | 186.1 | 0.194 |
| 90 | 9.114 | 33.878 | 26.222 | 180.3 | 0.212 |
| 100 | 9.001 | 33.898 | 26.255 | 177.3 | 0.230 |
| 125 | 8.822 | 33.995 | 26.360 | 167.8 | 0.273 |
| 150 | 8.695 | 34.045 | 26.419 | 162.6 | 0.315 |
| 175 | 8.387 | 34.081 | 26.494 | 155.8 | 0.354 |
| 200 | 8.105 | 34.098 | 26.550 | 150.9 | 0.393 |
| 225 | 7.918 | 34.109 | 26.586 | 147.7 | 0.430 |
| 250 | 7.741 | 34.118 | 26.619 | 145.0 | 0.467 |
| 275 | 7.562 | 34.131 | 26.656 | 141.8 | 0.502 |
| 300 | 7.394 | 34.138 | 26.685 | 139.4 | 0.538 |
| 325 | 7.147 | 34.138 | 26.720 | 136.3 | 0.572 |
| 350 | 6.981 | 34.142 | 26.746 | 134.1 | 0.606 |
| 375 | 6.975 | 34.175 | 26.773 | 131.9 | 0.639 |
| 400 | 6.757 | 34.177 | 26.804 | 129.2 | 0.672 |
| 425 | 6.497 | 34.179 | 26.840 | 125.9 | 0.704 |
| 450 | 6.161 | 34.167 | 26.874 | 122.7 | 0.735 |
| 475 | 5.993 | 34.183 | 26.908 | 119.6 | 0.765 |
| 499 | 5.862 | 34.198 | 26.936 | 117.1 | 0.793 |



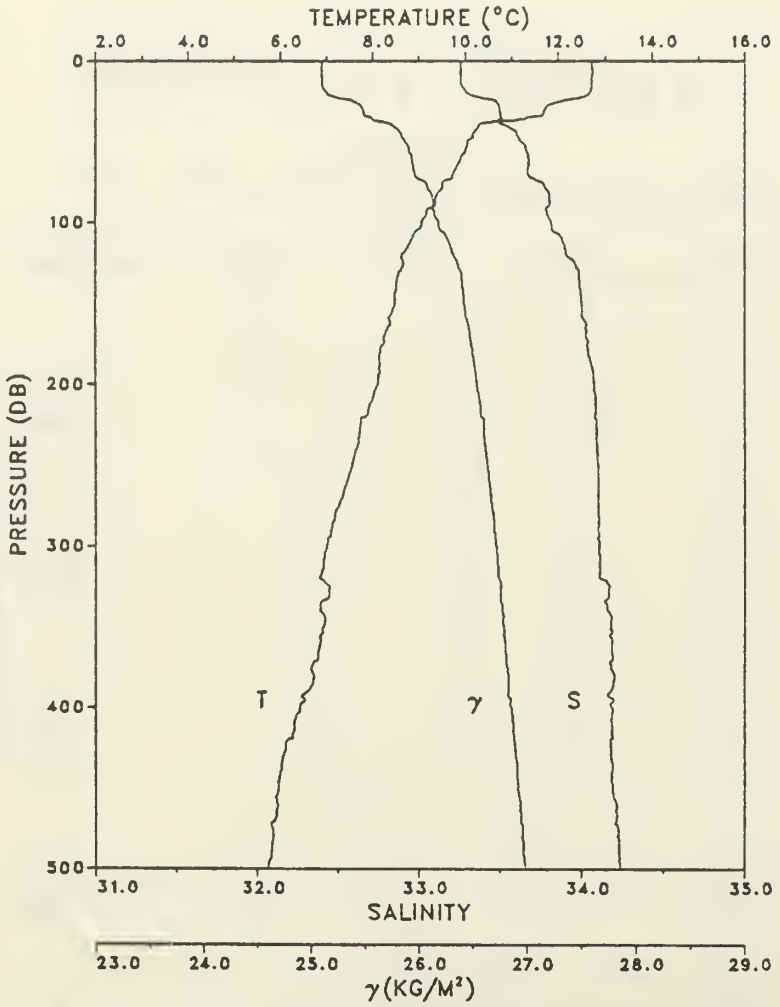

STATION: 20 LAT: 38 31.7 N LON: 124 1.2 W
DATE: 6/17/87 TIME: 1300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 10.777 | 33.138 | 25.366 | 260.0 | 0.000 |
| 5 | 10.793 | 33.142 | 25.366 | 260.1 | 0.010 |
| 10 | 10.782 | 33.143 | 25.369 | 259.9 | 0.023 |
| 15 | 10.759 | 33.140 | 25.370 | 259.9 | 0.036 |
| 20 | 10.752 | 33.138 | 25.370 | 260.0 | 0.049 |
| 25 | 10.753 | 33.139 | 25.371 | 260.0 | 0.062 |
| 30 | 10.695 | 33.139 | 25.381 | 259.2 | 0.075 |
| 35 | 10.043 | 33.120 | 25.477 | 250.0 | 0.088 |
| 40 | 9.547 | 33.204 | 25.[illegible]25 | 236.1 | 0.100 |
| 45 | 9.362 | 33.278 | 25.713 | 227.8 | 0.112 |
| 50 | 9.256 | 33.351 | 25.787 | 220.9 | 0.123 |
| 60 | 9.108 | 33.486 | 25.916 | 208.8 | 0.145 |
| 70 | 9.138 | 33.737 | 26.108 | 190.8 | 0.165 |
| 80 | 9.093 | 33.827 | 26.185 | 183.6 | 0.183 |
| 90 | 9.117 | 33.902 | 26.240 | 178.6 | 0.201 |
| 100 | 8.986 | 33.899 | 26.259 | 177.0 | 0.219 |
| 125 | 8.941 | 34.014 | 26.356 | 168.2 | 0.262 |
| 150 | 8.727 | 34.054 | 26.421 | 162.5 | 0.304 |
| 175 | 8.436 | 34.073 | 26.480 | 157.1 | 0.344 |
| 200 | 8.208 | 34.096 | 26.533 | 152.5 | 0.382 |
| 225 | 8.012 | 34.124 | 26.584 | 148.0 | 0.420 |
| 250 | 7.710 | 34.119 | 26.625 | 144.4 | 0.456 |
| 275 | 7.535 | 34.120 | 26.651 | 142.3 | 0.492 |
| 300 | 7.384 | 34.133 | 26.682 | 139.6 | 0.527 |
| 325 | 7.194 | 34.158 | 26.729 | 135.5 | 0.562 |
| 350 | 6.877 | 34.158 | 26.772 | 131.5 | 0.595 |
| 375 | 6.661 | 34.156 | 26.800 | 129.1 | 0.628 |
| 400 | 6.506 | 34.174 | 26.835 | 126.0 | 0.660 |
| 425 | 6.398 | 34.180 | 26.854 | 124.5 | 0.691 |
| 450 | 6.230 | 34.189 | 26.883 | 121.9 | 0.722 |
| 475 | 6.151 | 34.205 | 26.905 | 120.0 | 0.752 |
| 499 | 5.985 | 34.205 | 26.926 | 118.2 | 0.781 |



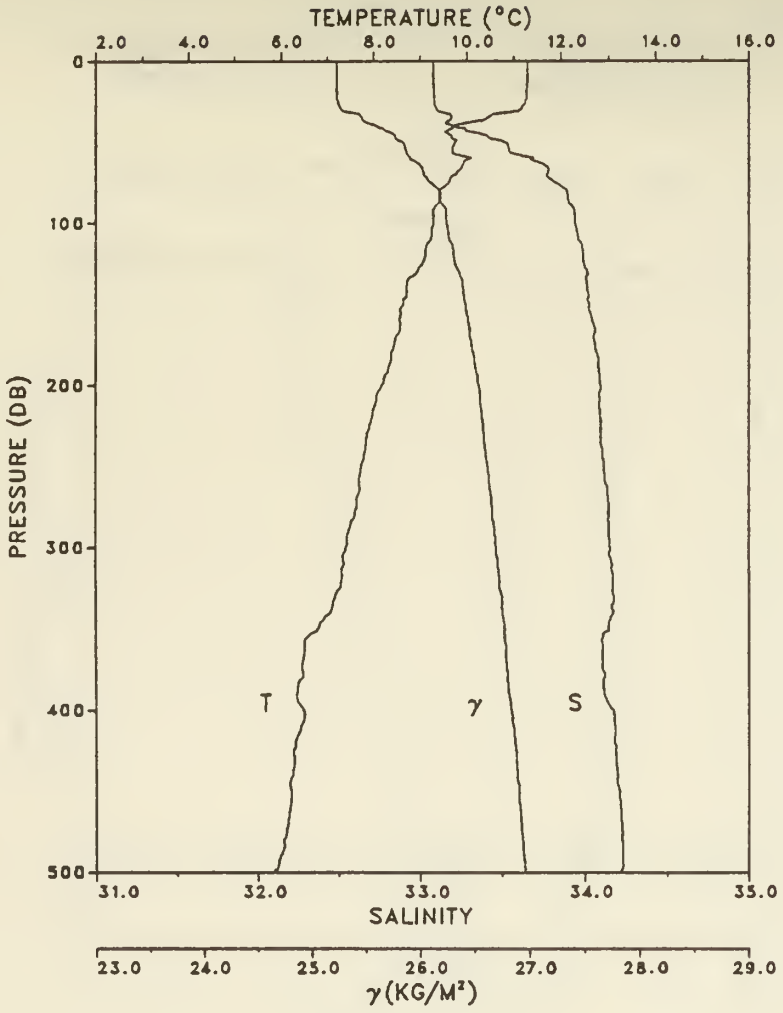

STATION: 21 LAT: 38 25.8 N LON: 123 53.3 W
DATE: 6/17/87 TIME: 1400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.286 | 33.195 | 25.134 | 282.1 | 0.000 |
| 5 | 12.285 | 33.195 | 25.134 | 282.1 | 0.011 |
| 10 | 12.285 | 33.195 | 25.134 | 282.2 | 0.025 |
| 15 | 12.285 | 33.197 | 25.136 | 282.2 | 0.040 |
| 20 | 12.285 | 33.198 | 25.136 | 282.3 | 0.054 |
| 25 | 12.273 | 33.205 | 25.144 | 281.6 | 0.068 |
| 30 | 12.250 | 33.204 | 25.148 | 281.4 | 0.082 |
| 35 | 12.211 | 33.202 | 25.154 | 281.0 | 0.096 |
| 40 | 11.493 | 33.425 | 25.461 | 251.8 | 0.109 |
| 45 | 11.236 | 33.478 | 25.549 | 243.6 | 0.122 |
| 50 | 10.882 | 33.512 | 25.638 | 235.1 | 0.134 |
| 60 | 10.091 | 33.567 | 25.818 | 218.2 | 0.156 |
| 70 | 9.817 | 33.694 | 25.963 | 204.6 | 0.177 |
| 80 | 9.685 | 33.743 | 26.023 | 199.0 | 0.198 |
| 90 | 9.500 | 33.842 | 26.131 | 189.0 | 0.217 |
| 100 | 9.032 | 33.801 | 26.175 | 184.9 | 0.236 |
| 125 | 8.505 | 33.843 | 26.290 | 174.4 | 0.281 |
| 150 | 8.471 | 33.961 | 26.387 | 165.5 | 0.323 |
| 175 | 8.195 | 34.001 | 26.460 | 158.9 | 0.364 |
| 200 | 8.007 | 34.051 | 26.528 | 152.9 | 0.403 |
| 225 | 7.898 | 34.097 | 26.580 | 148.4 | 0.440 |
| 250 | 7.700 | 34.111 | 26.620 | 144.9 | 0.477 |
| 275 | 7.501 | 34.133 | 26.666 | 140.8 | 0.513 |
| 300 | 7.267 | 34.140 | 26.704 | 137.4 | 0.547 |
| 325 | 7.160 | 34.149 | 26.726 | 135.7 | 0.581 |
| 350 | 6.953 | 34.143 | 26.750 | 133.6 | 0.615 |
| 375 | 6.782 | 34.165 | 26.791 | 130.0 | 0.648 |
| 400 | 6.643 | 34.181 | 26.822 | 127.3 | 0.680 |
| 425 | 6.535 | 34.200 | 26.851 | 124.8 | 0.712 |
| 450 | 6.123 | 34.188 | 26.896 | 120.6 | 0.742 |
| 475 | 5.831 | 34.171 | 26.919 | 118.4 | 0.772 |
| 499 | 5.683 | 34.180 | 26.944 | 116.2 | 0.800 |



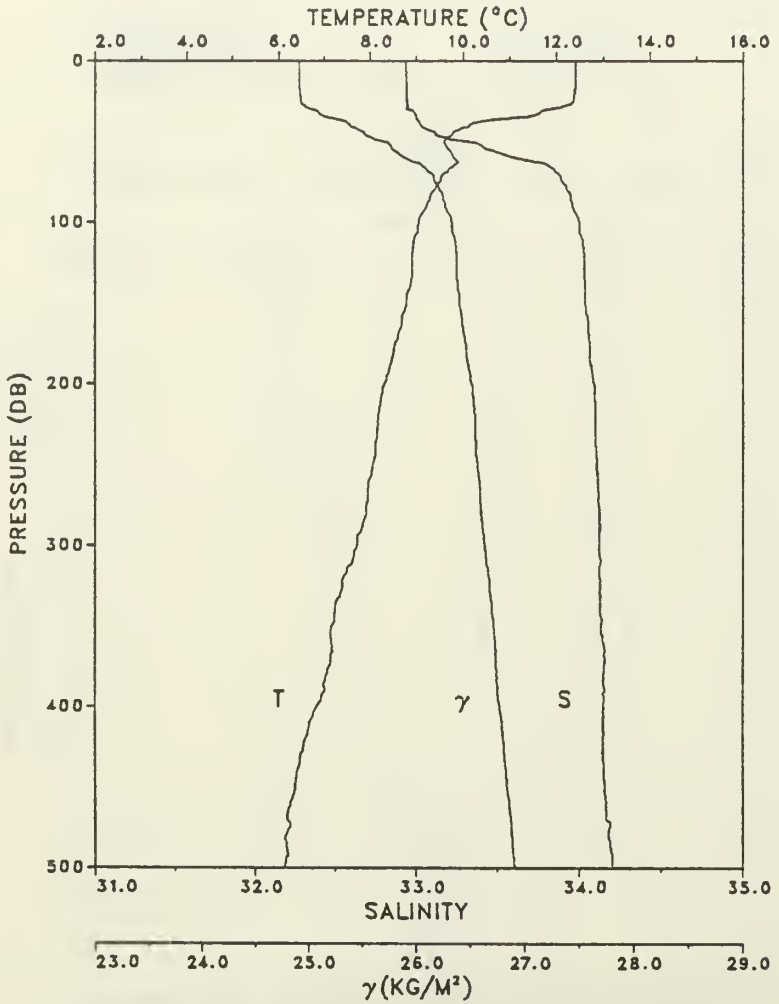

STATION: 22 LAT: 38 20.3 N LON: 123 59.2 W
DATE: 6/18/87 TIME: 0100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.724 | 33.259 | 25.099 | 285.4 | 0.000 |
| 5 | 12.725 | 33.257 | 25.097 | 285.6 | 0.011 |
| 10 | 12.721 | 33.260 | 25.100 | 285.5 | 0.026 |
| 15 | 12.721 | 33.261 | 25.101 | 285.5 | 0.040 |
| 20 | 12.647 | 33.303 | 25.148 | 281.2 | 0.054 |
| 25 | 12.050 | 33.477 | 25.397 | 257.5 | 0.068 |
| 30 | 11.699 | 33.500 | 25.481 | 249.7 | 0.080 |
| 35 | 11.342 | 33.508 | 25.553 | 243.0 | 0.093 |
| 40 | 10.275 | 33.533 | 25.760 | 223.3 | 0.104 |
| 45 | 10.153 | 33.600 | 25.833 | 216.4 | 0.115 |
| 50 | 10.055 | 33.628 | 25.872 | 212.9 | 0.126 |
| 60 | 9.897 | 33.673 | 25.933 | 207.2 | 0.147 |
| 70 | 9.734 | 33.672 | 25.960 | 204.9 | 0.168 |
| 80 | 9.477 | 33.786 | 26.091 | 192.6 | 0.187 |
| 90 | 9.337 | 33.803 | 26.127 | 189.3 | 0.207 |
| 100 | 9.058 | 33.813 | 26.180 | 184.4 | 0.225 |
| 125 | 8.662 | 33.959 | 26.356 | 168.1 | 0.269 |
| 150 | 8.472 | 34.002 | 26.419 | 162.5 | 0.311 |
| 175 | 8.236 | 34.039 | 26.484 | 156.7 | 0.351 |
| 200 | 8.107 | 34.076 | 26.532 | 152.5 | 0.389 |
| 225 | 7.731 | 34.090 | 26.599 | 146.5 | 0.427 |
| 250 | 7.545 | 34.100 | 26.634 | 143.5 | 0.463 |
| 275 | 7.260 | 34.102 | 26.676 | 139.8 | 0.498 |
| 300 | 7.004 | 34.106 | 26.714 | 136.3 | 0.533 |
| 325 | 7.065 | 34.173 | 26.759 | 132.6 | 0.566 |
| 350 | 6.928 | 34.178 | 26.781 | 130.7 | 0.599 |
| 375 | 6.670 | 34.180 | 26.818 | 127.4 | 0.632 |
| 400 | 6.418 | 34.187 | 26.857 | 123.9 | 0.663 |
| 425 | 6.104 | 34.178 | 26.890 | 120.8 | 0.694 |
| 450 | 5.951 | 34.191 | 26.920 | 118.2 | 0.723 |
| 475 | 5.835 | 34.224 | 26.960 | 114.5 | 0.752 |
| 499 | 5.735 | 34.233 | 26.980 | 112.9 | 0.780 |



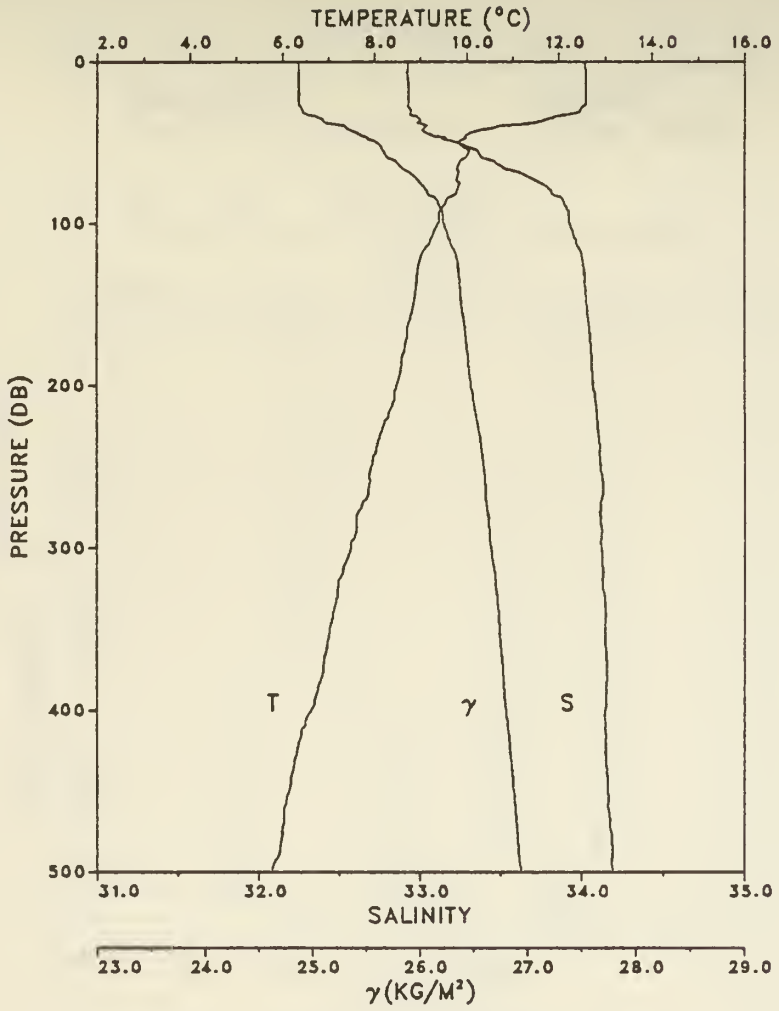

STATION: 23 LAT: 38 25.4 N LON: 124 7.3 W
DATE: 6/18/87 TIME: 0300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.286 | 33.082 | 25.231 | 272.8 | 0.000 |
| 5 | 11.285 | 33.082 | 25.232 | 272.8 | 0.011 |
| 10 | 11.294 | 33.082 | 25.230 | 273.1 | 0.025 |
| 15 | 11.281 | 33.085 | 25.235 | 272.8 | 0.038 |
| 20 | 11.278 | 33.085 | 25.235 | 272.8 | 0.052 |
| 25 | 11.248 | 33.090 | 25.245 | 272.0 | 0.065 |
| 30 | 11.142 | 33.104 | 25.274 | 269.3 | 0.079 |
| 35 | 10.453 | 33.193 | 25.465 | 251.3 | 0.092 |
| 40 | 9.748 | 33.195 | 25.585 | 239.9 | 0.104 |
| 45 | 9.582 | 33.355 | 25.737 | 225.5 | 0.116 |
| 50 | 9.753 | 33.515 | 25.834 | 216.4 | 0.127 |
| 60 | 10.098 | 33.687 | 25.911 | 209.4 | 0.148 |
| 70 | 9.761 | 33.770 | 26.032 | 198.0 | 0.169 |
| 80 | 9.412 | 33.891 | 26.184 | 183.8 | 0.188 |
| 90 | 9.322 | 33.925 | 26.225 | 180.0 | 0.206 |
| 100 | 9.281 | 33.940 | 26.243 | 178.5 | 0.224 |
| 125 | 9.050 | 33.993 | 26.322 | 171.4 | 0.268 |
| 150 | 8.639 | 34.027 | 26.413 | 163.1 | 0.309 |
| 175 | 8.439 | 34.060 | 26.470 | 158.2 | 0.350 |
| 200 | 8.166 | 34.094 | 26.538 | 152.0 | 0.388 |
| 225 | 7.910 | 34.095 | 26.577 | 148.7 | 0.426 |
| 250 | 7.734 | 34.117 | 26.620 | 144.9 | 0.463 |
| 275 | 7.631 | 34.144 | 26.656 | 141.9 | 0.498 |
| 300 | 7.405 | 34.155 | 26.697 | 138.2 | 0.533 |
| 325 | 7.265 | 34.170 | 26.728 | 135.6 | 0.568 |
| 350 | 6.782 | 34.146 | 26.776 | 131.1 | 0.601 |
| 375 | 6.447 | 34.108 | 26.790 | 129.8 | 0.634 |
| 400 | 6.496 | 34.174 | 26.836 | 125.9 | 0.666 |
| 425 | 6.262 | 34.186 | 26.876 | 122.2 | 0.697 |
| 450 | 6.209 | 34.209 | 26.901 | 120.2 | 0.727 |
| 475 | 6.111 | 34.226 | 26.927 | 117.9 | 0.757 |
| 499 | 5.851 | 34.217 | 26.953 | 115.5 | 0.785 |



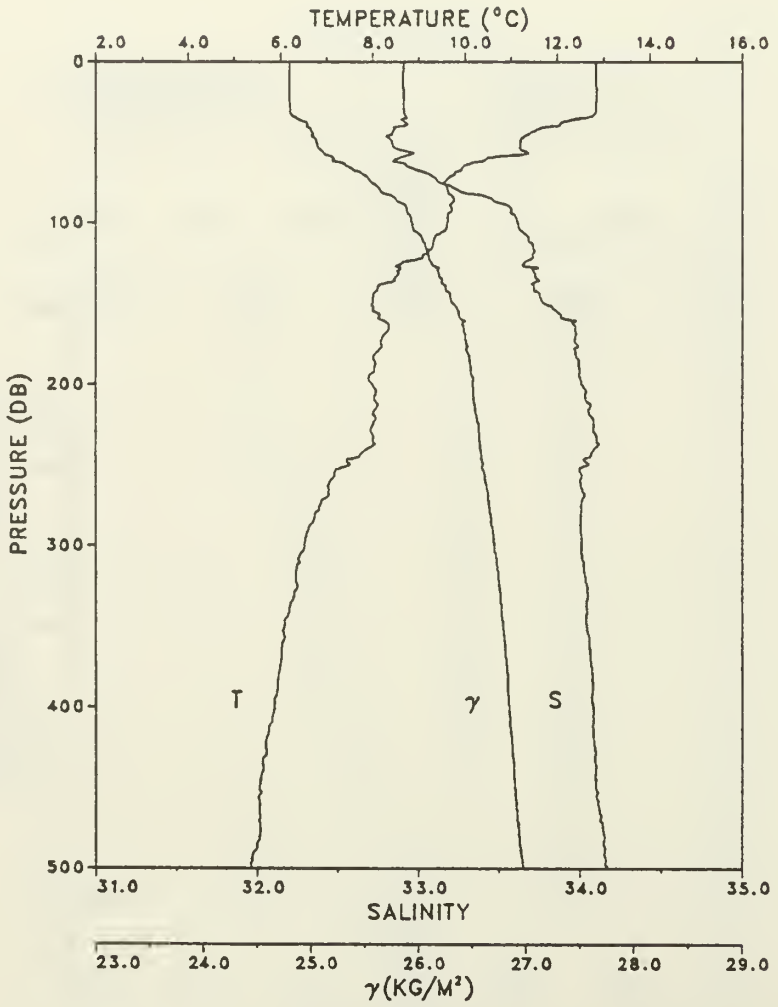

STATION: 24 LAT: 38 31.3 N LON: 124 14.3 W
DATE: 6/18/87 TIME: 0500Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.412 | 32.936 | 24.909 | 303.5 | 0.000 |
| 5 | 12.409 | 32.936 | 24.910 | 303.5 | 0.012 |
| 10 | 12.406 | 32.937 | 24.911 | 303.5 | 0.027 |
| 15 | 12.407 | 32.938 | 24.911 | 303.5 | 0.042 |
| 20 | 12.392 | 32.939 | 24.915 | 303.3 | 0.058 |
| 25 | 12.363 | 32.940 | 24.921 | 302.8 | 0.073 |
| 30 | 11.880 | 32.935 | 25.009 | 294.6 | 0.088 |
| 35 | 11.384 | 32.997 | 25.148 | 281.5 | 0.102 |
| 40 | 10.147 | 33.029 | 25.389 | 258.6 | 0.116 |
| 45 | 9.777 | 33.114 | 25.517 | 246.4 | 0.128 |
| 50 | 9.594 | 33.289 | 25.684 | 230.7 | 0.140 |
| 60 | 9.793 | 33.580 | 25.878 | 212.4 | 0.162 |
| 70 | 9.578 | 33.871 | 26.141 | 187.6 | 0.182 |
| 80 | 9.379 | 33.921 | 26.213 | 181.0 | 0.201 |
| 90 | 9.224 | 33.954 | 26.264 | 176.4 | 0.219 |
| 100 | 9.042 | 33.996 | 26.326 | 170.6 | 0.236 |
| 125 | 8.906 | 34.029 | 26.373 | 166.6 | 0.278 |
| 150 | 8.787 | 34.033 | 26.395 | 164.9 | 0.320 |
| 175 | 8.544 | 34.061 | 26.454 | 159.6 | 0.360 |
| 200 | 8.301 | 34.086 | 26.511 | 154.6 | 0.399 |
| 225 | 8.162 | 34.097 | 26.541 | 152.2 | 0.438 |
| 250 | 8.054 | 34.103 | 26.562 | 150.6 | 0.476 |
| 275 | 7.919 | 34.118 | 26.593 | 147.9 | 0.513 |
| 300 | 7.711 | 34.121 | 26.626 | 145.1 | 0.550 |
| 325 | 7.396 | 34.126 | 26.675 | 140.7 | 0.585 |
| 350 | 7.163 | 34.131 | 26.712 | 137.4 | 0.620 |
| 375 | 7.108 | 34.149 | 26.734 | 135.7 | 0.654 |
| 400 | 6.838 | 34.145 | 26.768 | 132.6 | 0.688 |
| 425 | 6.545 | 34.145 | 26.807 | 129.0 | 0.720 |
| 450 | 6.375 | 34.156 | 26.838 | 126.3 | 0.752 |
| 475 | 6.246 | 34.186 | 26.878 | 122.7 | 0.783 |
| 499 | 6.139 | 34.203 | 26.905 | 120.3 | 0.813 |



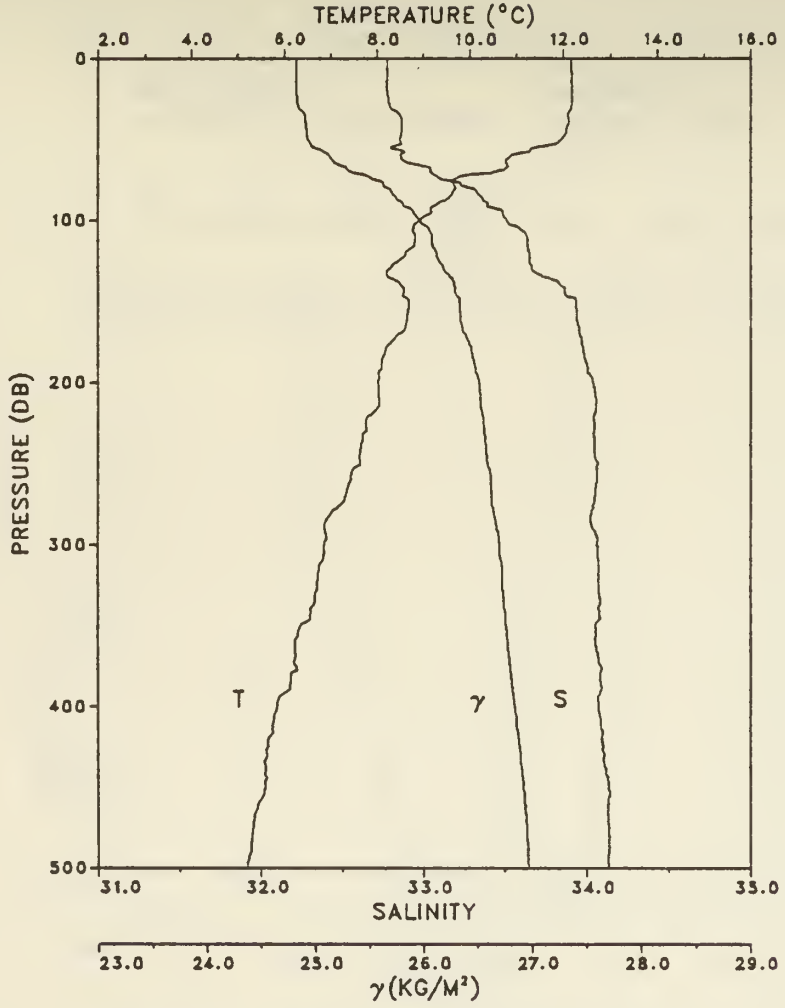

STATION: 25 LAT: 38 36.1 N LON: 124 21.2 W
DATE: 6/18/87 TIME: 0700Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.570 | 32.922 | 24.868 | 307.4 | 0.000 |
| 5 | 12.576 | 32.922 | 24.867 | 307.6 | 0.012 |
| 10 | 12.574 | 32.922 | 24.867 | 307.7 | 0.028 |
| 15 | 12.574 | 32.923 | 24.868 | 307.7 | 0.043 |
| 20 | 12.575 | 32.924 | 24.868 | 307.8 | 0.058 |
| 25 | 12.578 | 32.923 | 24.867 | 308.0 | 0.074 |
| 30 | 12.467 | 32.939 | 24.901 | 304.9 | 0.089 |
| 35 | 11.843 | 32.987 | 25.056 | 290.2 | 0.104 |
| 40 | 10.732 | 33.039 | 25.296 | 267.4 | 0.118 |
| 45 | 10.042 | 33.048 | 25.421 | 255.6 | 0.131 |
| 50 | 9.836 | 33.225 | 25.594 | 239.2 | 0.143 |
| 60 | 9.959 | 33.392 | 25.704 | 229.0 | 0.167 |
| 70 | 9.798 | 33.643 | 25.927 | 208.0 | 0.189 |
| 80 | 9.789 | 33.812 | 26.060 | 195.6 | 0.209 |
| 90 | 9.476 | 33.904 | 26.184 | 184.0 | 0.228 |
| 100 | 9.377 | 33.924 | 26.215 | 181.1 | 0.246 |
| 125 | 8.964 | 34.010 | 26.349 | 168.9 | 0.290 |
| 150 | 8.852 | 34.029 | 26.381 | 166.2 | 0.332 |
| 175 | 8.672 | 34.058 | 26.432 | 161.8 | 0.373 |
| 200 | 8.486 | 34.071 | 26.471 | 158.5 | 0.413 |
| 225 | 8.194 | 34.096 | 26.535 | 152.7 | 0.452 |
| 250 | 7.937 | 34.116 | 26.589 | 147.9 | 0.489 |
| 275 | 7.719 | 34.117 | 26.622 | 145.1 | 0.526 |
| 300 | 7.492 | 34.121 | 26.658 | 142.0 | 0.562 |
| 325 | 7.214 | 34.130 | 26.704 | 137.8 | 0.597 |
| 350 | 7.042 | 34.143 | 26.738 | 134.9 | 0.631 |
| 375 | 6.900 | 34.157 | 26.769 | 132.2 | 0.664 |
| 400 | 6.628 | 34.145 | 26.796 | 129.8 | 0.697 |
| 425 | 6.326 | 34.147 | 26.837 | 126.0 | 0.729 |
| 450 | 6.138 | 34.160 | 26.872 | 122.9 | 0.760 |
| 475 | 5.998 | 34.180 | 26.905 | 119.9 | 0.790 |
| 499 | 5.777 | 34.188 | 26.939 | 116.8 | 0.819 |



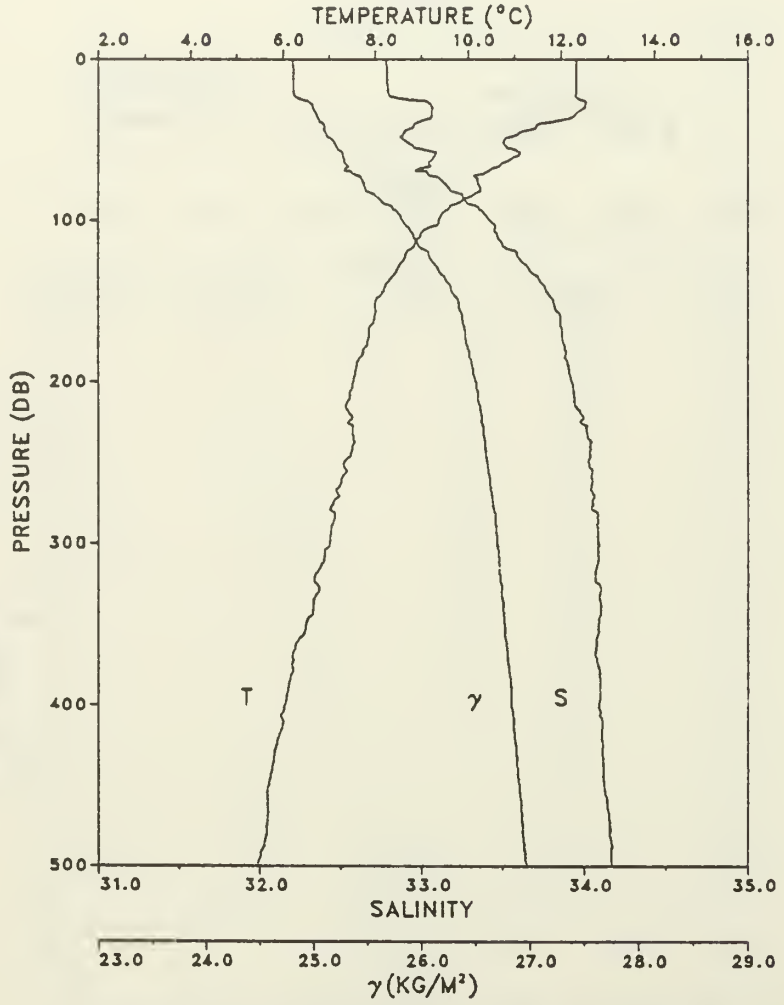

STATION: 27 LAT: 38 47.3 N LON: 124 38.0 W
DATE: 6/18/87 TIME: 1100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.839 | 32.903 | 24.801 | 313.8 | 0.000 |
| 5 | 12.844 | 32.903 | 24.800 | 313.9 | 0.013 |
| 10 | 12.842 | 32.900 | 24.798 | 314.2 | 0.028 |
| 15 | 12.845 | 32.901 | 24.798 | 314.3 | 0.044 |
| 20 | 12.847 | 32.904 | 24.800 | 314.3 | 0.060 |
| 25 | 12.844 | 32.905 | 24.801 | 314.3 | 0.075 |
| 30 | 12.838 | 32.908 | 24.805 | 314.0 | 0.091 |
| 35 | 12.608 | 32.925 | 24.863 | 308.6 | 0.107 |
| 40 | 12.036 | 32.909 | 24.959 | 299.5 | 0.122 |
| 45 | 11.382 | 32.832 | 25.020 | 293.8 | 0.137 |
| 50 | 11.209 | 32.833 | 25.052 | 290.9 | 0.151 |
| 60 | 10.479 | 32.874 | 25.212 | 275.8 | 0.180 |
| 70 | 9.775 | 33.065 | 25.479 | 250.5 | 0.206 |
| 80 | 9.644 | 33.247 | 25.643 | 235.1 | 0.230 |
| 90 | 9.691 | 33.561 | 25.880 | 212.8 | 0.253 |
| 100 | 9.610 | 33.616 | 25.937 | 207.6 | 0.274 |
| 125 | 8.623 | 33.652 | 26.122 | 190.3 | 0.323 |
| 150 | 7.984 | 33.779 | 26.318 | 172.0 | 0.369 |
| 175 | 8.180 | 33.978 | 26.445 | 160.4 | 0.410 |
| 200 | 8.004 | 34.008 | 26.494 | 156.1 | 0.450 |
| 225 | 8.004 | 34.085 | 26.555 | 150.8 | 0.488 |
| 250 | 7.507 | 34.045 | 26.596 | 147.1 | 0.525 |
| 275 | 6.854 | 34.003 | 26.653 | 141.6 | 0.562 |
| 300 | 6.523 | 34.006 | 26.700 | 137.4 | 0.596 |
| 325 | 6.371 | 34.044 | 26.750 | 132.9 | 0.630 |
| 350 | 6.092 | 34.042 | 26.784 | 129.8 | 0.663 |
| 375 | 5.989 | 34.070 | 26.819 | 126.7 | 0.695 |
| 400 | 5.875 | 34.079 | 26.841 | 124.9 | 0.726 |
| 425 | 5.684 | 34.092 | 26.875 | 121.8 | 0.757 |
| 450 | 5.541 | 34.097 | 26.896 | 120.0 | 0.788 |
| 475 | 5.557 | 34.140 | 26.928 | 117.3 | 0.817 |
| 499 | 5.373 | 34.169 | 26.973 | 113.1 | 0.845 |



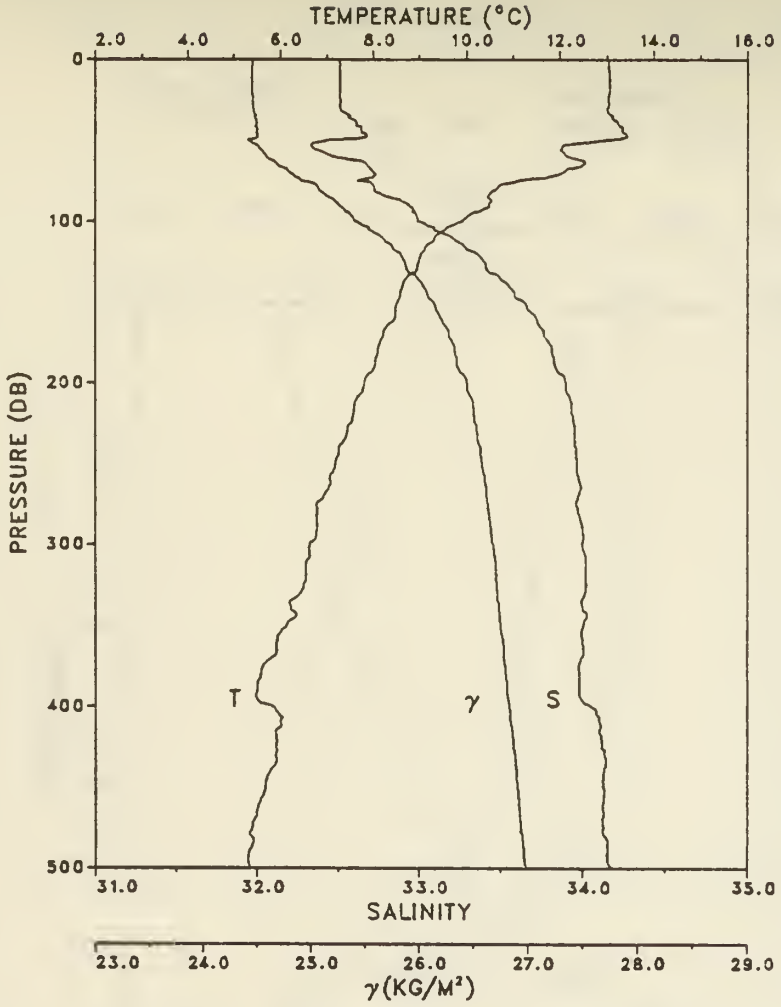

STATION: 28 LAT: 38 52.3 N LON: 124 45.9 W
DATE: 6/18/87 TIME: 1200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM. DYN |
|---|---|---|---|---|---|
| 1 | 12.174 | 32.776 | 24.830 | 311.0 | 0.000 |
| 5 | 12.175 | 32.775 | 24.829 | 311.2 | 0.012 |
| 10 | 12.177 | 32.775 | 24.829 | 311.3 | 0.028 |
| 15 | 12.176 | 32.773 | 24.827 | 311.5 | 0.044 |
| 20 | 12.177 | 32.775 | 24.829 | 311.5 | 0.059 |
| 25 | 12.180 | 32.785 | 24.836 | 311.0 | 0.075 |
| 30 | 12.172 | 32.797 | 24.847 | 310.0 | 0.090 |
| 35 | 12.091 | 32.855 | 24.907 | 304.4 | 0.106 |
| 40 | 12.108 | 32.866 | 24.912 | 304.0 | 0.121 |
| 45 | 12.059 | 32.866 | 24.922 | 303.2 | 0.136 |
| 50 | 11.953 | 32.856 | 24.934 | 302.2 | 0.151 |
| 60 | 10.897 | 32.858 | 25.126 | 284.0 | 0.180 |
| 70 | 10.622 | 33.039 | 25.315 | 266.2 | 0.208 |
| 80 | 9.696 | 33.278 | 25.658 | 233.7 | 0.233 |
| 90 | 9.325 | 33.398 | 25.812 | 219.2 | 0.256 |
| 100 | 8.899 | 33.513 | 25.970 | 204.3 | 0.277 |
| 125 | 8.458 | 33.651 | 26.146 | 187.9 | 0.326 |
| 150 | 8.689 | 33.933 | 26.332 | 170.9 | 0.371 |
| 175 | 8.310 | 33.972 | 26.420 | 162.8 | 0.412 |
| 200 | 8.022 | 34.039 | 26.516 | 154.0 | 0.452 |
| 225 | 7.763 | 34.046 | 26.560 | 150.2 | 0.490 |
| 250 | 7.644 | 34.067 | 26.593 | 147.4 | 0.527 |
| 275 | 7.216 | 34.035 | 26.629 | 144.1 | 0.564 |
| 300 | 6.860 | 34.064 | 26.701 | 137.5 | 0.599 |
| 325 | 6.714 | 34.073 | 26.727 | 135.2 | 0.633 |
| 350 | 6.346 | 34.051 | 26.759 | 132.4 | 0.666 |
| 375 | 6.256 | 34.087 | 26.799 | 128.9 | 0.699 |
| 400 | 5.850 | 34.074 | 26.840 | 124.9 | 0.731 |
| 425 | 5.645 | 34.099 | 26.885 | 120.8 | 0.761 |
| 450 | 5.587 | 34.133 | 26.919 | 117.9 | 0.791 |
| 475 | 5.328 | 34.137 | 26.953 | 114.7 | 0.820 |
| 499 | 5.206 | 34.134 | 26.965 | 113.7 | 0.848 |



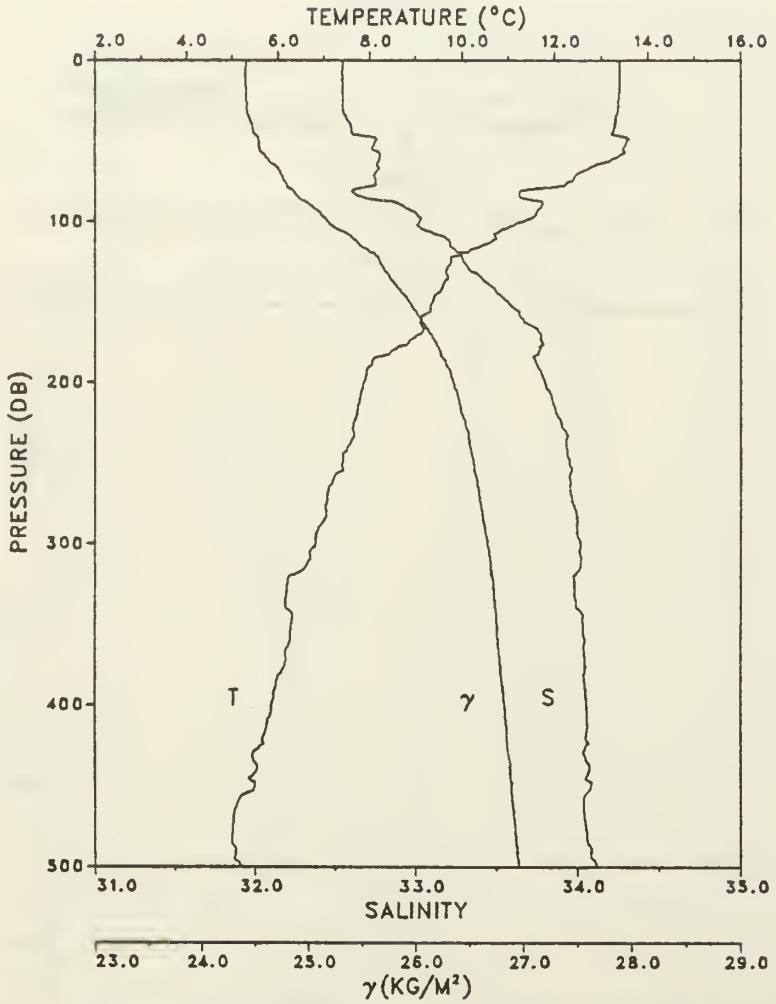

STATION: 29 LAT: 38 57.4 N LON: 124 52.7 W
DATE: 6/18/87 TIME: 1400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.319 | 32.784 | 24.809 | 313.0 | 0.000 |
| 5 | 12.319 | 32.787 | 24.811 | 312.9 | 0.013 |
| 10 | 12.320 | 32.786 | 24.810 | 313.1 | 0.028 |
| 15 | 12.321 | 32.788 | 24.812 | 313.1 | 0.044 |
| 20 | 12.320 | 32.791 | 24.814 | 312.9 | 0.059 |
| 25 | 12.415 | 32.916 | 24.893 | 305.5 | 0.075 |
| 30 | 12.507 | 33.069 | 24.994 | 296.1 | 0.090 |
| 35 | 12.273 | 33.063 | 25.034 | 292.3 | 0.105 |
| 40 | 11.549 | 32.955 | 25.085 | 287.5 | 0.119 |
| 45 | 11.152 | 32.891 | 25.107 | 285.5 | 0.134 |
| 50 | 10.777 | 32.890 | 25.172 | 279.4 | 0.148 |
| 60 | 11.064 | 33.081 | 25.270 | 270.3 | 0.175 |
| 70 | 10.418 | 33.034 | 25.347 | 263.2 | 0.202 |
| 80 | 10.266 | 33.170 | 25.479 | 250.8 | 0.227 |
| 90 | 9.727 | 33.289 | 25.662 | 233.5 | 0.252 |
| 100 | 9.361 | 33.423 | 25.826 | 218.0 | 0.274 |
| 125 | 8.592 | 33.612 | 26.095 | 192.8 | 0.326 |
| 150 | 8.002 | 33.809 | 26.338 | 170.0 | 0.371 |
| 175 | 7.834 | 33.865 | 26.407 | 163.9 | 0.413 |
| 200 | 7.512 | 33.925 | 26.501 | 155.3 | 0.453 |
| 225 | 7.400 | 33.976 | 26.557 | 150.3 | 0.491 |
| 250 | 7.318 | 34.027 | 26.608 | 145.8 | 0.528 |
| 275 | 7.084 | 34.050 | 26.659 | 141.2 | 0.564 |
| 300 | 7.003 | 34.084 | 26.697 | 138.0 | 0.599 |
| 325 | 6.727 | 34.091 | 26.740 | 134.1 | 0.633 |
| 350 | 6.506 | 34.086 | 26.765 | 131.9 | 0.666 |
| 375 | 6.200 | 34.084 | 26.804 | 128.4 | 0.698 |
| 400 | 6.033 | 34.090 | 26.830 | 126.1 | 0.730 |
| 425 | 5.857 | 34.114 | 26.871 | 122.4 | 0.761 |
| 450 | 5.675 | 34.122 | 26.899 | 119.8 | 0.791 |
| 475 | 5.652 | 34.157 | 26.930 | 117.2 | 0.821 |
| 499 | 5.433 | 34.170 | 26.967 | 113.8 | 0.849 |



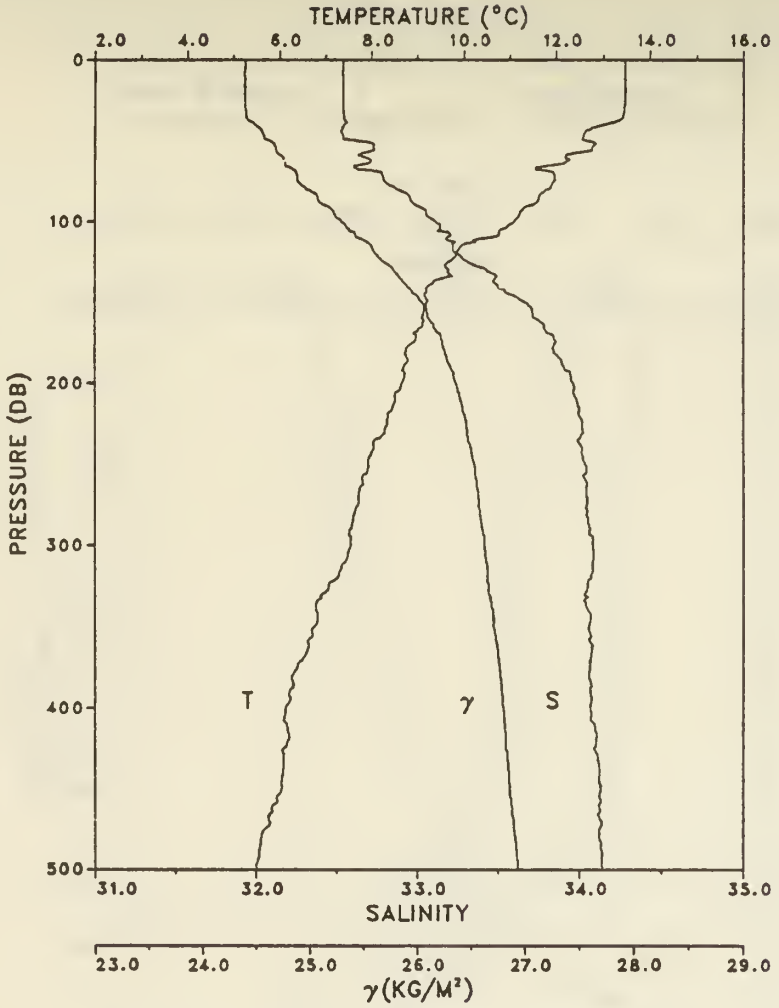

STATION: 30 LAT: 39 3.0 N LON: 125 0.7 W
DATE: 6/18/87 TIME: 1600Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.041 | 32.510 | 24.457 | 346.5 | 0.000 |
| 5 | 13.048 | 32.509 | 24.455 | 346.8 | 0.014 |
| 10 | 13.054 | 32.509 | 24.454 | 347.0 | 0.031 |
| 15 | 13.054 | 32.509 | 24.454 | 347.1 | 0.049 |
| 20 | 13.054 | 32.509 | 24.454 | 347.3 | 0.066 |
| 25 | 13.033 | 32.511 | 24.459 | 346.8 | 0.083 |
| 30 | 13.009 | 32.513 | 24.466 | 346.4 | 0.101 |
| 35 | 13.125 | 32.572 | 24.488 | 344.3 | 0.118 |
| 40 | 13.241 | 32.613 | 24.497 | 343.6 | 0.135 |
| 45 | 13.334 | 32.641 | 24.500 | 343.4 | 0.152 |
| 50 | 12.961 | 32.440 | 24.419 | 351.3 | 0.170 |
| 60 | 12.158 | 32.457 | 24.586 | 335.5 | 0.204 |
| 70 | 12.048 | 32.716 | 24.807 | 314.7 | 0.236 |
| 80 | 10.641 | 32.725 | 25.068 | 289.9 | 0.267 |
| 90 | 10.484 | 32.935 | 25.258 | 272.0 | 0.295 |
| 100 | 9.898 | 32.990 | 25.400 | 258.6 | 0.321 |
| 125 | 8.983 | 33.396 | 25.865 | 214.7 | 0.380 |
| 150 | 8.506 | 33.641 | 26.131 | 189.8 | 0.431 |
| 175 | 8.154 | 33.791 | 26.302 | 173.9 | 0.477 |
| 200 | 7.800 | 33.896 | 26.436 | 161.5 | 0.518 |
| 225 | 7.519 | 33.942 | 26.513 | 154.5 | 0.558 |
| 250 | 7.187 | 33.963 | 26.576 | 148.7 | 0.596 |
| 275 | 6.777 | 33.961 | 26.631 | 143.7 | 0.632 |
| 300 | 6.636 | 33.998 | 26.679 | 139.4 | 0.668 |
| 325 | 6.506 | 34.020 | 26.713 | 136.4 | 0.702 |
| 350 | 6.131 | 34.002 | 26.748 | 133.2 | 0.736 |
| 375 | 5.626 | 33.975 | 26.789 | 129.2 | 0.769 |
| 400 | 5.840 | 34.053 | 26.824 | 126.4 | 0.801 |
| 425 | 5.912 | 34.117 | 26.866 | 122.8 | 0.832 |
| 450 | 5.672 | 34.125 | 26.902 | 119.5 | 0.862 |
| 475 | 5.396 | 34.124 | 26.935 | 116.5 | 0.892 |
| 499 | 5.334 | 34.164 | 26.974 | 113.0 | 0.919 |



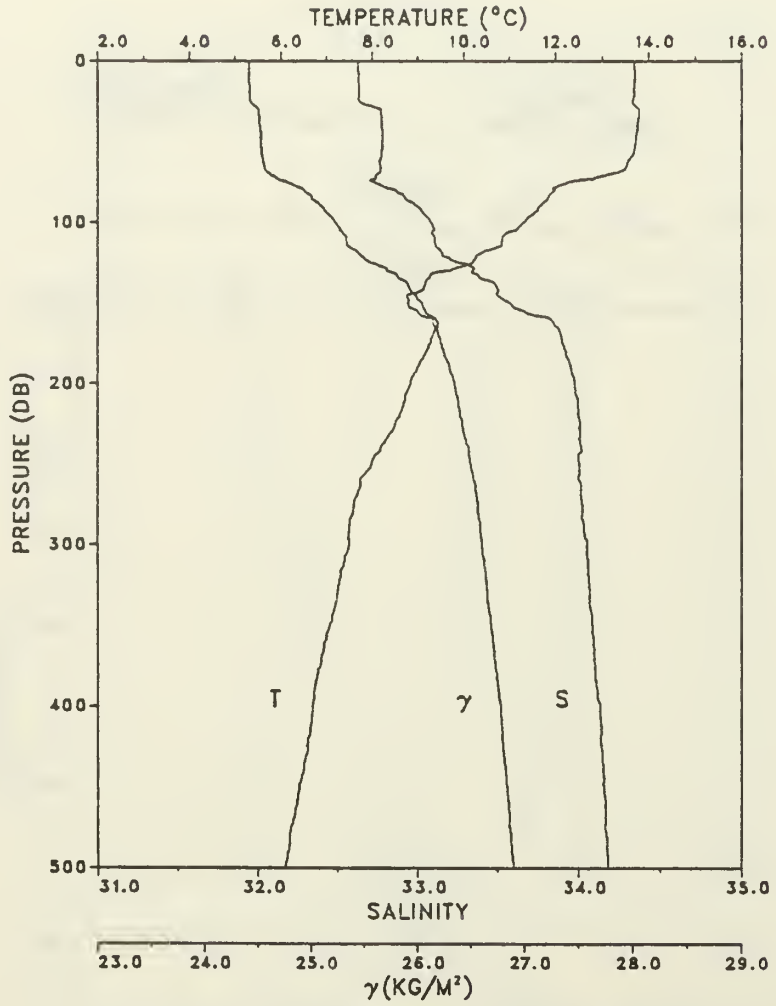

STATION: 31 LAT: 39 8.2 N LON: 125 7.5 W
DATE: 6/18/87 TIME: 1800Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.403 | 32.545 | 24.412 | 350.8 | 0.000 |
| 5 | 13.408 | 32.545 | 24.411 | 351.0 | 0.014 |
| 10 | 13.405 | 32.545 | 24.412 | 351.0 | 0.032 |
| 15 | 13.408 | 32.545 | 24.411 | 351.2 | 0.049 |
| 20 | 13.390 | 32.546 | 24.416 | 350.9 | 0.067 |
| 25 | 13.377 | 32.547 | 24.419 | 350.7 | 0.084 |
| 30 | 13.373 | 32.547 | 24.420 | 350.7 | 0.102 |
| 35 | 13.324 | 32.564 | 24.443 | 348.7 | 0.119 |
| 40 | 13.300 | 32.597 | 24.473 | 345.9 | 0.137 |
| 45 | 13.232 | 32.604 | 24.492 | 344.2 | 0.154 |
| 50 | 13.560 | 32.747 | 24.537 | 340.1 | 0.171 |
| 60 | 13.362 | 32.777 | 24.600 | 334.3 | 0.205 |
| 70 | 12.549 | 32.749 | 24.738 | 321.3 | 0.237 |
| 80 | 11.547 | 32.630 | 24.833 | 312.4 | 0.269 |
| 90 | 11.719 | 32.903 | 25.013 | 295.4 | 0.300 |
| 100 | 11.331 | 33.023 | 25.177 | 280.0 | 0.328 |
| 125 | 9.757 | 33.296 | 25.662 | 234.1 | 0.393 |
| 150 | 9.367 | 33.572 | 25.942 | 208.0 | 0.448 |
| 175 | 8.850 | 33.782 | 26.188 | 184.9 | 0.497 |
| 200 | 7.855 | 33.798 | 26.351 | 169.5 | 0.541 |
| 225 | 7.640 | 33.898 | 26.461 | 159.5 | 0.582 |
| 250 | 7.402 | 33.947 | 26.534 | 152.9 | 0.621 |
| 275 | 7.052 | 33.968 | 26.599 | 146.9 | 0.659 |
| 300 | 6.819 | 34.017 | 26.669 | 140.5 | 0.695 |
| 325 | 6.202 | 33.978 | 26.720 | 135.6 | 0.729 |
| 350 | 6.289 | 34.032 | 26.751 | 133.0 | 0.763 |
| 375 | 6.143 | 34.046 | 26.781 | 130.4 | 0.796 |
| 400 | 5.853 | 34.053 | 26.823 | 126.5 | 0.828 |
| 425 | 5.620 | 34.046 | 26.846 | 124.5 | 0.859 |
| 450 | 5.495 | 34.080 | 26.888 | 120.7 | 0.890 |
| 475 | 5.013 | 34.053 | 26.923 | 117.1 | 0.920 |
| 499 | 5.163 | 34.115 | 26.955 | 114.6 | 0.948 |



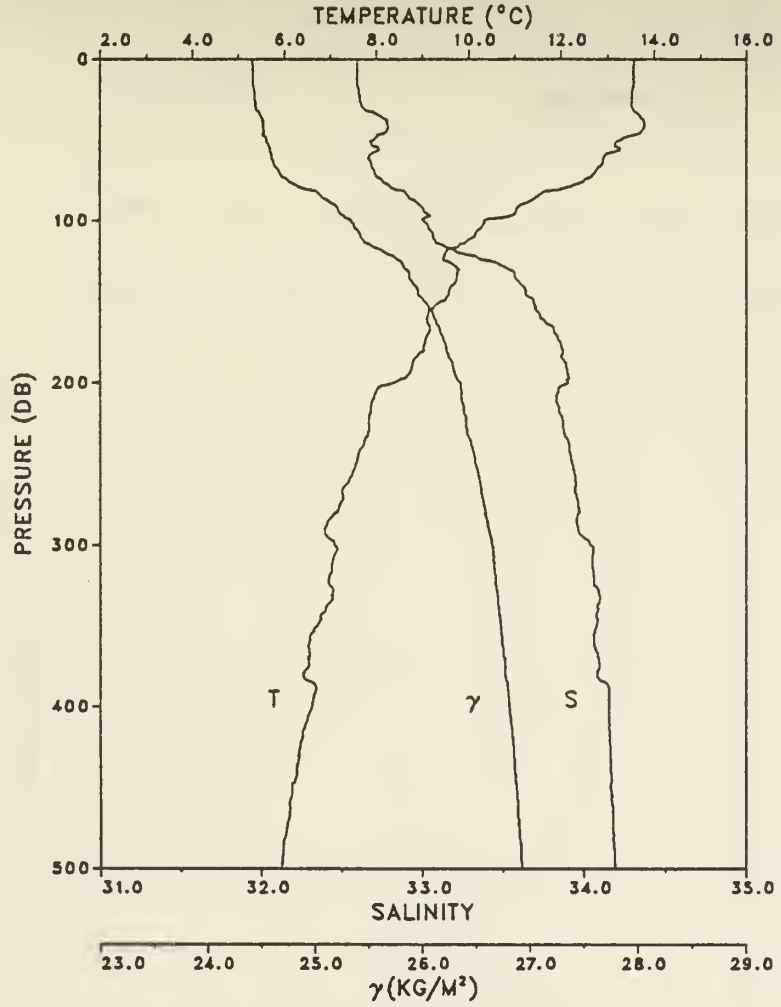

STATION: 32 LAT: 39 3.4 N LON: 125 15.8 W
DATE: 6/18/87 TIME: 2000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.470 | 32.535 | 24.391 | 352.8 | 0.000 |
| 5 | 13.470 | 32.535 | 24.391 | 352.9 | 0.014 |
| 10 | 13.475 | 32.535 | 24.390 | 353.1 | 0.032 |
| 15 | 13.476 | 32.535 | 24.390 | 353.2 | 0.049 |
| 20 | 13.474 | 32.535 | 24.390 | 353.3 | 0.067 |
| 25 | 13.475 | 32.536 | 24.391 | 353.4 | 0.085 |
| 30 | 13.452 | 32.538 | 24.397 | 352.9 | 0.102 |
| 35 | 13.428 | 32.540 | 24.403 | 352.4 | 0.120 |
| 40 | 13.078 | 32.549 | 24.480 | 345.2 | 0.137 |
| 45 | 12.590 | 32.527 | 24.558 | 337.9 | 0.155 |
| 50 | 12.643 | 32.621 | 24.620 | 332.1 | 0.171 |
| 60 | 12.188 | 32.658 | 24.736 | 321.2 | 0.204 |
| 70 | 11.948 | 32.775 | 24.872 | 308.5 | 0.235 |
| 80 | 11.825 | 32.864 | 24.964 | 300.0 | 0.266 |
| 90 | 11.482 | 32.987 | 25.122 | 285.1 | 0.295 |
| 100 | 11.081 | 33.112 | 25.292 | 269.1 | 0.323 |
| 125 | 9.686 | 33.305 | 25.681 | 232.3 | 0.386 |
| 150 | 9.193 | 33.666 | 26.043 | 198.3 | 0.439 |
| 175 | 8.899 | 33.849 | 26.233 | 180.7 | 0.487 |
| 200 | 8.655 | 33.962 | 26.360 | 169.1 | 0.530 |
| 225 | 8.335 | 34.019 | 26.453 | 160.5 | 0.572 |
| 250 | 7.929 | 34.033 | 26.525 | 154.0 | 0.611 |
| 275 | 7.705 | 34.043 | 26.566 | 150.4 | 0.649 |
| 300 | 7.543 | 34.082 | 26.620 | 145.6 | 0.686 |
| 325 | 7.077 | 34.052 | 26.662 | 141.7 | 0.722 |
| 350 | 6.755 | 34.057 | 26.709 | 137.3 | 0.757 |
| 375 | 6.392 | 34.066 | 26.765 | 132.2 | 0.791 |
| 400 | 6.137 | 34.068 | 26.799 | 129.1 | 0.823 |
| 425 | 6.088 | 34.088 | 26.821 | 127.3 | 0.855 |
| 450 | 6.048 | 34.130 | 26.859 | 123.9 | 0.887 |
| 475 | 5.689 | 34.120 | 26.896 | 120.4 | 0.917 |
| 499 | 5.488 | 34.138 | 26.935 | 116.8 | 0.946 |



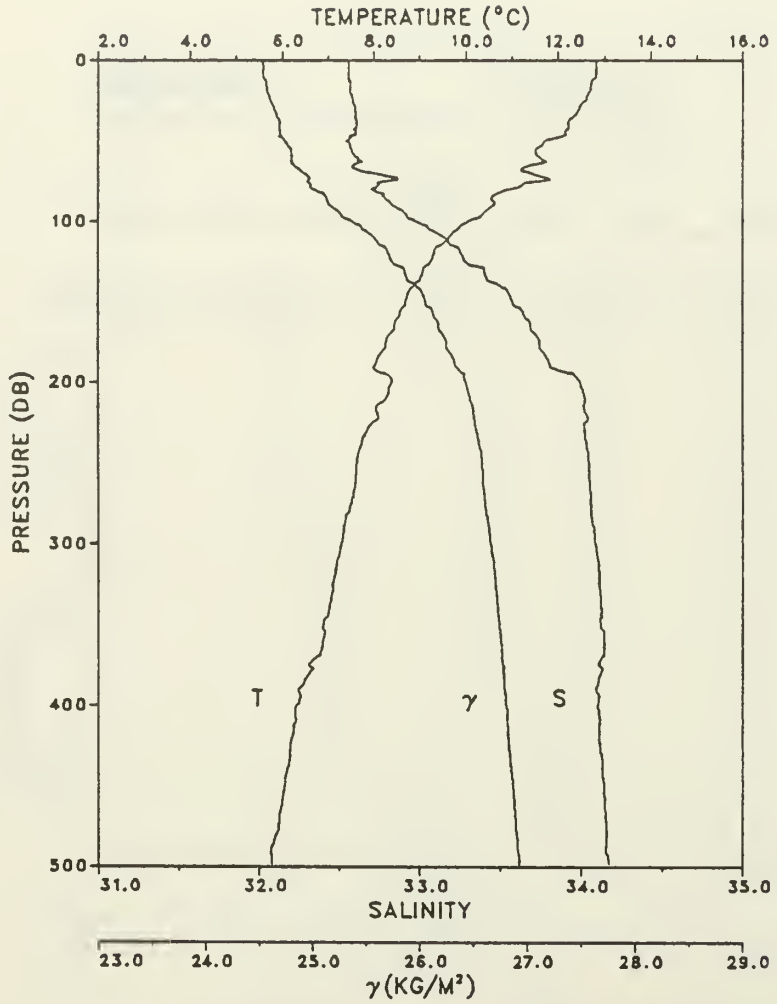

STATION: 33 LAT: 38 57.9 N LON: 125 25.8 W
DATE: 6/18/87 TIME: 2100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.702 | 32.626 | 24.415 | 350.5 | 0.000 |
| 6 | 13.702 | 32.626 | 24.415 | 350.7 | 0.018 |
| 10 | 13.715 | 32.628 | 24.414 | 350.9 | 0.032 |
| 15 | 13.690 | 32.629 | 24.419 | 350.4 | 0.049 |
| 20 | 13.686 | 32.629 | 24.420 | 350.5 | 0.067 |
| 25 | 13.663 | 32.633 | 24.428 | 349.9 | 0.084 |
| 30 | 13.800 | 32.767 | 24.504 | 342.8 | 0.101 |
| 35 | 13.788 | 32.771 | 24.509 | 342.4 | 0.119 |
| 40 | 13.762 | 32.773 | 24.516 | 341.8 | 0.136 |
| 45 | 13.738 | 32.777 | 24.524 | 341.2 | 0.153 |
| 50 | 13.724 | 32.776 | 24.526 | 341.1 | 0.170 |
| 60 | 13.614 | 32.767 | 24.542 | 339.9 | 0.204 |
| 70 | 13.234 | 32.754 | 24.608 | 333.8 | 0.238 |
| 80 | 11.977 | 32.858 | 24.931 | 303.1 | 0.269 |
| 90 | 11.659 | 32.988 | 25.091 | 288.1 | 0.299 |
| 100 | 11.308 | 33.078 | 25.224 | 275.5 | 0.327 |
| 125 | 10.197 | 33.251 | 25.554 | 244.6 | 0.392 |
| 150 | 8.775 | 33.578 | 26.040 | 198.5 | 0.448 |
| 175 | 9.264 | 33.902 | 26.216 | 182.4 | 0.495 |
| 200 | 8.831 | 33.973 | 26.341 | 170.9 | 0.539 |
| 225 | 8.503 | 34.009 | 26.420 | 163.8 | 0.581 |
| 250 | 7.973 | 34.003 | 26.495 | 156.8 | 0.621 |
| 275 | 7.600 | 34.021 | 26.564 | 150.5 | 0.660 |
| 300 | 7.497 | 34.051 | 26.602 | 147.3 | 0.697 |
| 325 | 7.268 | 34.065 | 26.645 | 143.4 | 0.733 |
| 350 | 7.069 | 34.085 | 26.689 | 139.5 | 0.769 |
| 375 | 6.866 | 34.099 | 26.727 | 136.1 | 0.803 |
| 400 | 6.694 | 34.130 | 26.775 | 131.8 | 0.837 |
| 425 | 6.586 | 34.142 | 26.799 | 129.8 | 0.869 |
| 450 | 6.397 | 34.156 | 26.835 | 126.6 | 0.901 |
| 475 | 6.220 | 34.161 | 26.862 | 124.2 | 0.933 |
| 499 | 6.094 | 34.182 | 26.895 | 121.3 | 0.962 |



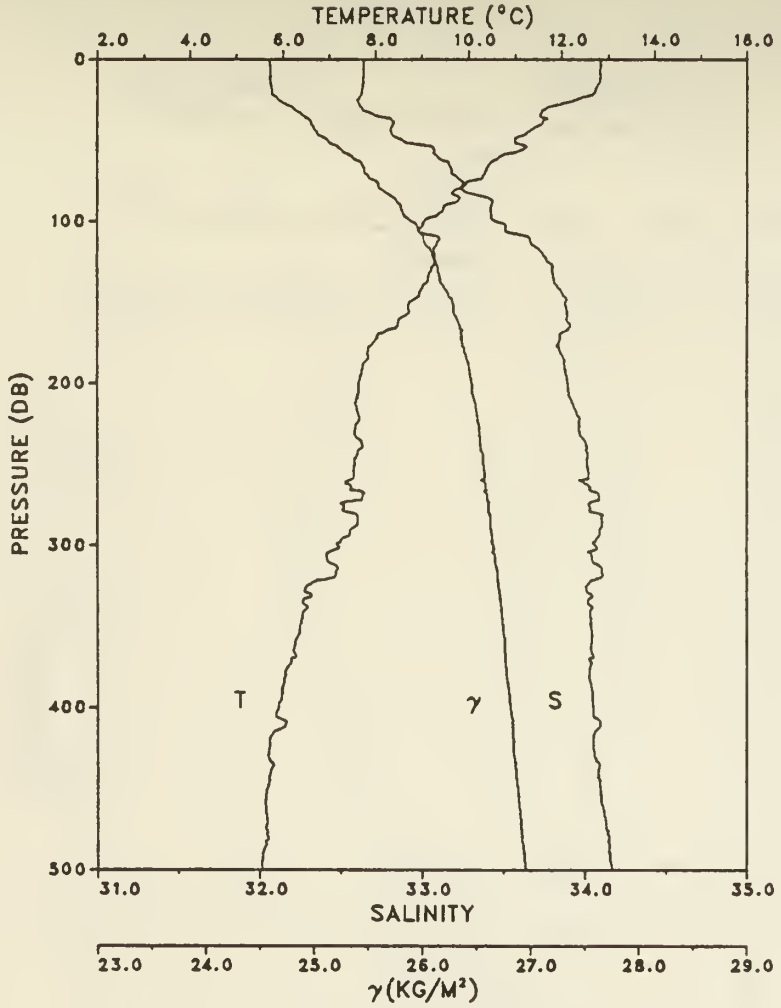

STATION: 34 LAT: 38 50.8 N LON: 125 21.9 W
DATE: 6/18/87 TIME: 2300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.568 | 32.596 | 24.419 | 350.2 | 0.000 |
| 5 | 13.559 | 32.597 | 24.421 | 350.0 | 0.014 |
| 10 | 13.564 | 32.597 | 24.420 | 350.2 | 0.032 |
| 15 | 13.565 | 32.597 | 24.420 | 350.4 | 0.049 |
| 20 | 13.530 | 32.608 | 24.436 | 349.0 | 0.067 |
| 25 | 13.526 | 32.612 | 24.439 | 348.8 | 0.084 |
| 30 | 13.534 | 32.630 | 24.452 | 347.7 | 0.101 |
| 35 | 13.693 | 32.731 | 24.498 | 343.5 | 0.119 |
| 40 | 13.794 | 32.784 | 24.518 | 341.7 | 0.136 |
| 45 | 13.714 | 32.771 | 24.524 | 341.2 | 0.153 |
| 50 | 13.297 | 32.697 | 24.551 | 338.7 | 0.170 |
| 60 | 12.940 | 32.670 | 24.601 | 334.2 | 0.203 |
| 70 | 12.727 | 32.705 | 24.669 | 327.9 | 0.237 |
| 80 | 12.069 | 32.814 | 24.879 | 308.0 | 0.268 |
| 90 | 11.155 | 32.978 | 25.174 | 280.1 | 0.298 |
| 100 | 10.325 | 33.007 | 25.342 | 264.2 | 0.325 |
| 125 | 9.542 | 33.427 | 25.800 | 221.0 | 0.386 |
| 150 | 9.383 | 33.684 | 26.027 | 200.0 | 0.438 |
| 175 | 9.055 | 33.855 | 26.213 | 182.7 | 0.486 |
| 200 | 8.377 | 33.902 | 26.355 | 169.4 | 0.530 |
| 225 | 7.839 | 33.869 | 26.409 | 164.4 | 0.572 |
| 250 | 7.558 | 33.931 | 26.499 | 156.2 | 0.612 |
| 275 | 7.213 | 33.962 | 26.572 | 149.5 | 0.650 |
| 300 | 7.088 | 34.040 | 26.651 | 142.4 | 0.687 |
| 325 | 6.991 | 34.067 | 26.685 | 139.4 | 0.722 |
| 350 | 6.704 | 34.075 | 26.730 | 135.3 | 0.756 |
| 375 | 6.519 | 34.095 | 26.771 | 131.7 | 0.790 |
| 400 | 6.599 | 34.157 | 26.809 | 128.5 | 0.822 |
| 425 | 6.339 | 34.163 | 26.848 | 125.0 | 0.854 |
| 450 | 6.154 | 34.166 | 26.874 | 122.6 | 0.885 |
| 475 | 6.047 | 34.181 | 26.900 | 120.5 | 0.915 |
| 499 | 5.931 | 34.191 | 26.922 | 118.5 | 0.944 |



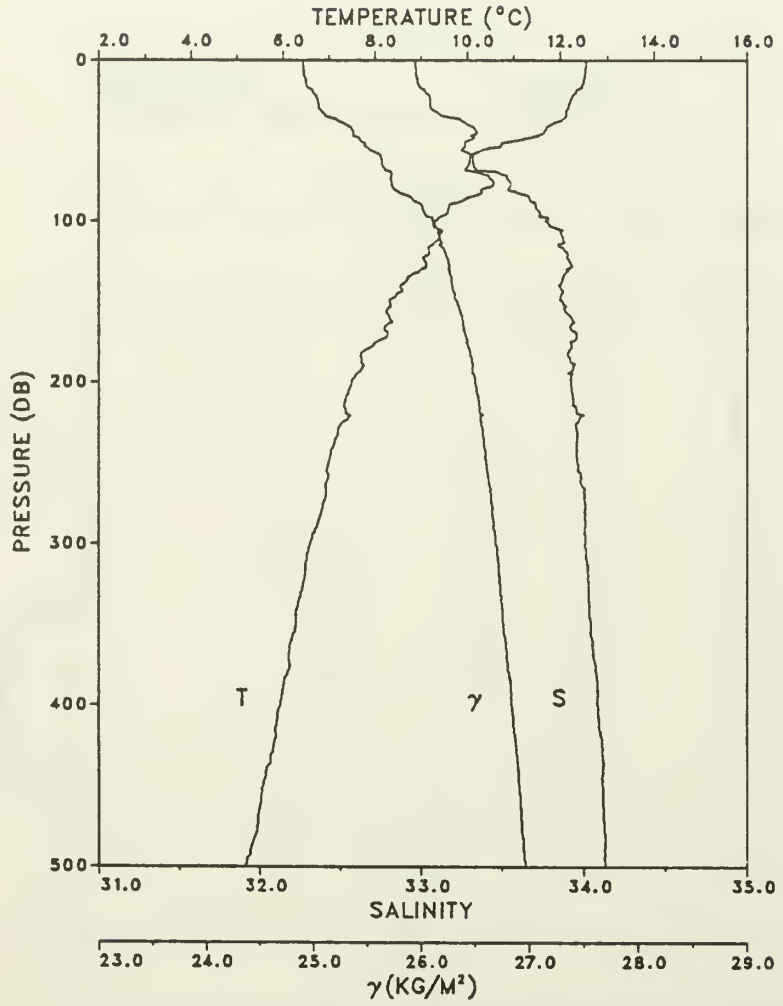

STATION: 35 LAT: 38 44.3 N LON: 125 16.6 W
DATE: 6/19/87 TIME: 0000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.825 | 32.558 | 24.536 | 338.9 | 0.000 |
| 5 | 12.823 | 32.559 | 24.538 | 338.9 | 0.014 |
| 10 | 12.823 | 32.558 | 24.537 | 339.1 | 0.031 |
| 15 | 12.705 | 32.565 | 24.565 | 336.5 | 0.047 |
| 20 | 12.650 | 32.569 | 24.579 | 335.3 | 0.064 |
| 25 | 12.577 | 32.581 | 24.602 | 333.2 | 0.081 |
| 30 | 12.453 | 32.596 | 24.638 | 330.0 | 0.097 |
| 35 | 12.321 | 32.595 | 24.662 | 327.7 | 0.114 |
| 40 | 12.212 | 32.606 | 24.691 | 325.1 | 0.130 |
| 45 | 12.153 | 32.600 | 24.697 | 324.6 | 0.146 |
| 50 | 11.710 | 32.544 | 24.736 | 320.9 | 0.163 |
| 60 | 11.590 | 32.595 | 24.798 | 315.3 | 0.194 |
| 70 | 11.355 | 32.669 | 24.898 | 305.9 | 0.226 |
| 80 | 10.947 | 32.700 | 24.995 | 296.9 | 0.256 |
| 90 | 10.604 | 32.826 | 25.153 | 282.0 | 0.285 |
| 100 | 10.039 | 32.977 | 25.366 | 261.8 | 0.312 |
| 125 | 9.236 | 33.282 | 25.736 | 227.0 | 0.373 |
| 150 | 8.686 | 33.576 | 26.052 | 197.3 | 0.426 |
| 175 | 8.261 | 33.740 | 26.246 | 179.3 | 0.473 |
| 200 | 8.374 | 33.993 | 26.427 | 162.6 | 0.516 |
| 225 | 7.955 | 34.020 | 26.511 | 154.9 | 0.555 |
| 250 | 7.627 | 34.045 | 26.579 | 148.8 | 0.593 |
| 275 | 7.507 | 34.057 | 26.605 | 146.6 | 0.630 |
| 300 | 7.288 | 34.087 | 26.650 | 141.7 | 0.666 |
| 325 | 7.092 | 34.111 | 26.706 | 137.5 | 0.701 |
| 350 | 6.893 | 34.120 | 26.740 | 134.5 | 0.735 |
| 375 | 6.566 | 34.106 | 26.773 | 131.5 | 0.768 |
| 400 | 6.297 | 34.098 | 26.802 | 128.9 | 0.801 |
| 425 | 6.185 | 34.115 | 26.830 | 126.5 | 0.833 |
| 450 | 6.048 | 34.139 | 26.866 | 123.3 | 0.864 |
| 475 | 5.923 | 34.155 | 26.895 | 120.8 | 0.895 |
| 499 | 5.770 | 34.168 | 26.924 | 118.2 | 0.923 |



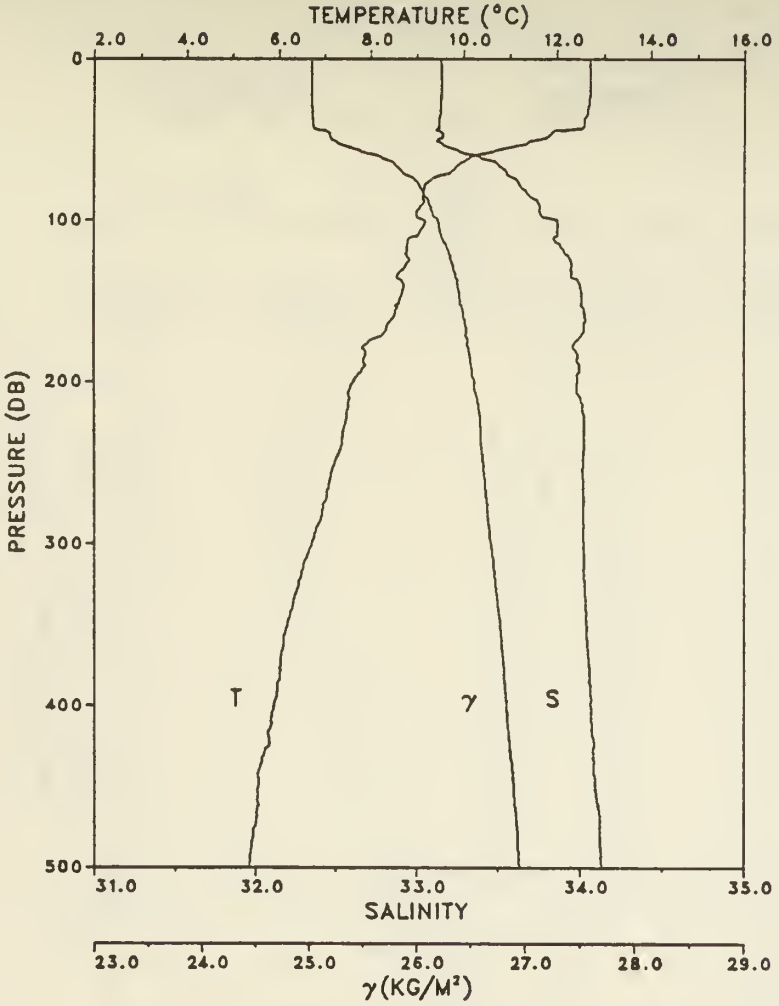

STATION: 36 LAT: 38 37.0 N LON: 125 11.9 W
DATE: 6/19/87 TIME: 0100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.839 | 32.638 | 24.596 | 333.3 | 0.000 |
| 5 | 12.834 | 32.638 | 24.597 | 333.3 | 0.013 |
| 10 | 12.838 | 32.640 | 24.597 | 333.3 | 0.030 |
| 15 | 12.797 | 32.635 | 24.602 | 333.1 | 0.047 |
| 20 | 12.710 | 32.631 | 24.615 | 331.9 | 0.063 |
| 25 | 12.305 | 32.599 | 24.668 | 326.9 | 0.080 |
| 30 | 11.667 | 32.628 | 24.809 | 313.6 | 0.096 |
| 35 | 11.519 | 32.707 | 24.898 | 305.2 | 0.111 |
| 40 | 11.571 | 32.823 | 24.978 | 297.7 | 0.126 |
| 45 | 11.288 | 32.814 | 25.023 | 293.6 | 0.141 |
| 50 | 10.992 | 32.881 | 25.128 | 283.7 | 0.156 |
| 60 | 10.694 | 33.091 | 25.343 | 263.3 | 0.183 |
| 70 | 10.355 | 33.179 | 25.471 | 251.4 | 0.209 |
| 80 | 9.782 | 33.233 | 25.609 | 238.4 | 0.233 |
| 90 | 9.524 | 33.425 | 25.801 | 220.2 | 0.256 |
| 100 | 9.039 | 33.442 | 25.892 | 211.7 | 0.278 |
| 125 | 9.294 | 33.768 | 26.107 | 191.9 | 0.328 |
| 150 | 8.721 | 33.874 | 26.281 | 175.7 | 0.374 |
| 175 | 7.942 | 33.837 | 26.369 | 167.5 | 0.417 |
| 200 | 7.639 | 33.894 | 26.458 | 159.4 | 0.458 |
| 225 | 7.590 | 33.963 | 26.519 | 153.9 | 0.497 |
| 250 | 7.547 | 34.014 | 26.566 | 149.9 | 0.535 |
| 275 | 7.311 | 34.021 | 26.605 | 146.5 | 0.572 |
| 300 | 7.197 | 34.069 | 26.658 | 141.7 | 0.608 |
| 325 | 6.506 | 34.009 | 26.705 | 137.3 | 0.643 |
| 350 | 6.374 | 34.036 | 26.743 | 133.9 | 0.677 |
| 375 | 6.093 | 34.031 | 26.775 | 130.9 | 0.710 |
| 400 | 5.897 | 34.051 | 26.816 | 127.3 | 0.742 |
| 425 | 5.703 | 34.053 | 26.841 | 125.0 | 0.774 |
| 450 | 5.653 | 34.095 | 26.881 | 121.5 | 0.804 |
| 475 | 5.623 | 34.131 | 26.913 | 118.8 | 0.834 |
| 499 | 5.537 | 34.165 | 26.950 | 115.4 | 0.863 |



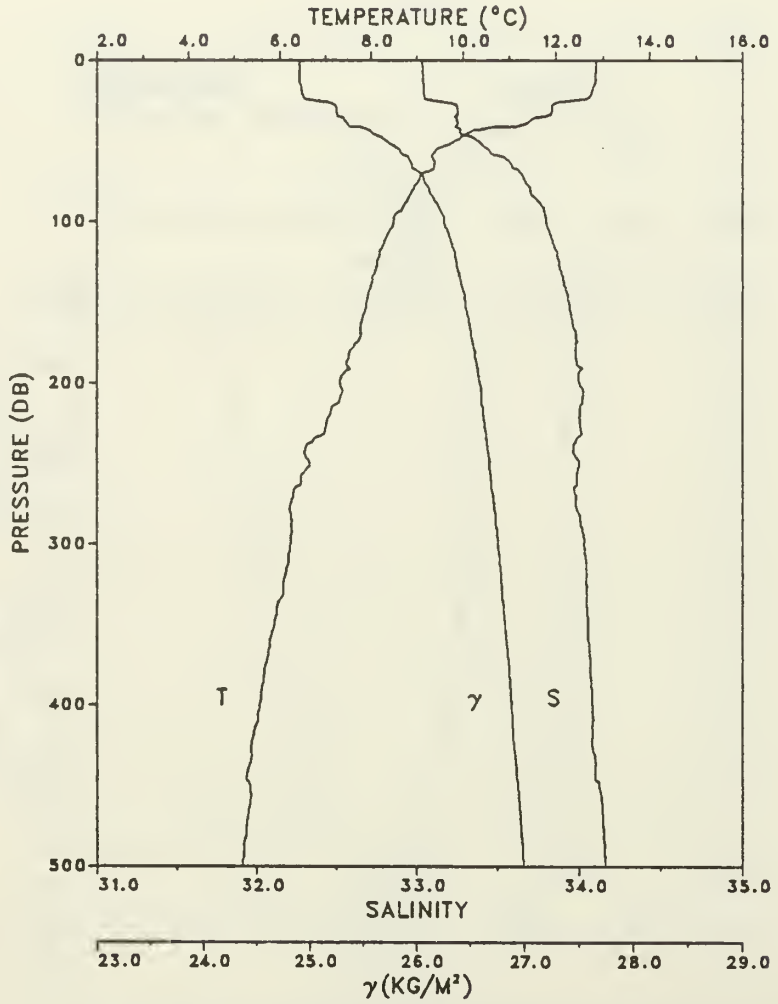

STATION: 37 LAT: 38 30.0 N LON: 125 8.2 W
DATE: 6/19/87 TIME: 0300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.542 | 32.963 | 24.905 | 303.8 | 0.000 |
| 5 | 12.534 | 32.967 | 24.910 | 303.5 | 0.012 |
| 10 | 12.527 | 32.969 | 24.912 | 303.3 | 0.027 |
| 15 | 12.481 | 32.981 | 24.931 | 301.7 | 0.042 |
| 20 | 12.340 | 33.027 | 24.993 | 295.9 | 0.057 |
| 25 | 12.213 | 33.059 | 25.042 | 291.3 | 0.072 |
| 30 | 12.167 | 33.058 | 25.050 | 290.7 | 0.087 |
| 35 | 12.109 | 33.130 | 25.117 | 284.4 | 0.101 |
| 40 | 11.820 | 33.284 | 25.291 | 268.0 | 0.115 |
| 45 | 11.656 | 33.346 | 25.369 | 260.6 | 0.128 |
| 50 | 11.111 | 33.298 | 25.431 | 254.8 | 0.141 |
| 60 | 10.058 | 33.321 | 25.632 | 235.9 | 0.165 |
| 70 | 10.162 | 33.462 | 25.724 | 227.3 | 0.189 |
| 80 | 10.352 | 33.537 | 25.750 | 225.0 | 0.211 |
| 90 | 9.618 | 33.706 | 26.006 | 200.9 | 0.233 |
| 100 | 9.282 | 33.763 | 26.105 | 191.6 | 0.252 |
| 125 | 9.100 | 33.916 | 26.254 | 177.9 | 0.298 |
| 150 | 8.326 | 33.869 | 26.337 | 170.2 | 0.342 |
| 175 | 8.032 | 33.917 | 26.419 | 162.8 | 0.383 |
| 200 | 7.482 | 33.919 | 26.500 | 155.3 | 0.423 |
| 225 | 7.278 | 33.955 | 26.557 | 150.2 | 0.461 |
| 250 | 6.978 | 33.960 | 26.603 | 146.1 | 0.498 |
| 275 | 6.872 | 34.006 | 26.653 | 141.6 | 0.534 |
| 300 | 6.588 | 34.005 | 26.691 | 138.3 | 0.569 |
| 325 | 6.434 | 34.028 | 26.729 | 134.9 | 0.604 |
| 350 | 6.282 | 34.042 | 26.760 | 132.2 | 0.637 |
| 375 | 6.155 | 34.070 | 26.798 | 128.8 | 0.670 |
| 400 | 5.935 | 34.084 | 26.837 | 125.3 | 0.701 |
| 425 | 5.800 | 34.113 | 26.877 | 121.7 | 0.732 |
| 450 | 5.560 | 34.114 | 26.907 | 118.9 | 0.762 |
| 475 | 5.450 | 34.126 | 26.930 | 117.0 | 0.792 |
| 499 | 5.170 | 34.129 | 26.965 | 113.6 | 0.819 |



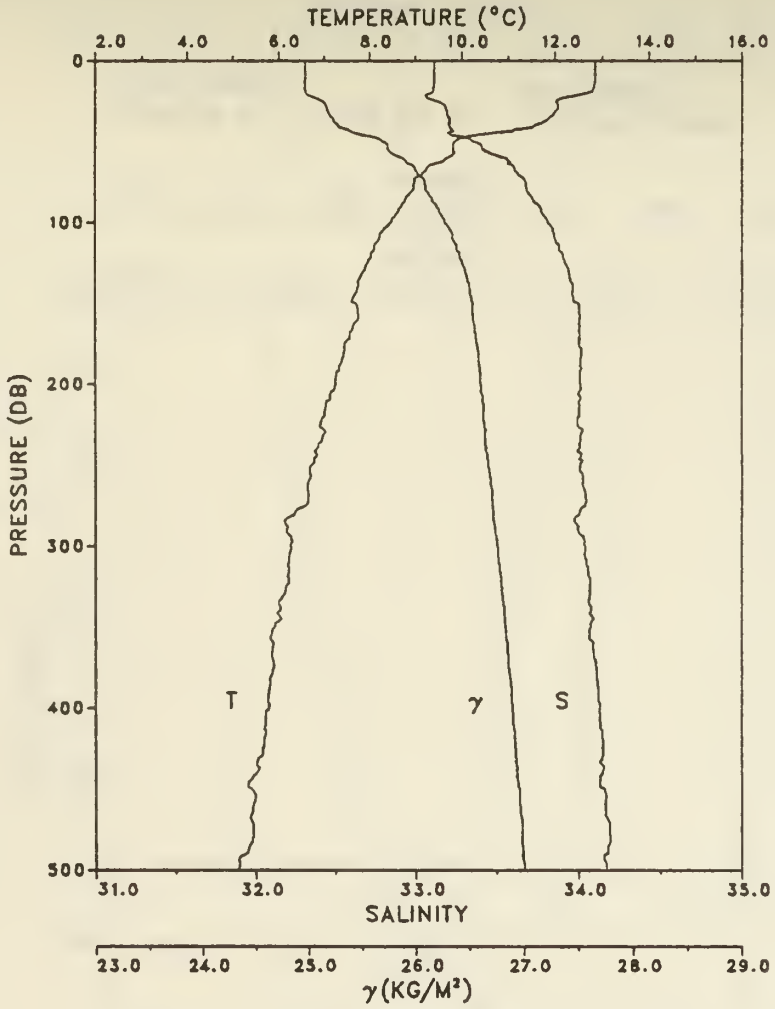

STATION: 38 LAT: 38 23.3 N LON: 125 4.0 W
DATE: 6/19/87 TIME: 0400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.692 | 33.146 | 25.018 | 293.1 | 0.000 |
| 5 | 12.692 | 33.148 | 25.019 | 293.1 | 0.012 |
| 10 | 12.695 | 33.148 | 25.019 | 293.2 | 0.026 |
| 15 | 12.699 | 33.149 | 25.019 | 293.3 | 0.041 |
| 20 | 12.697 | 33.148 | 25.018 | 293.5 | 0.056 |
| 25 | 12.686 | 33.147 | 25.020 | 293.5 | 0.070 |
| 30 | 12.660 | 33.145 | 25.023 | 293.3 | 0.085 |
| 35 | 12.631 | 33.142 | 25.027 | 293.1 | 0.100 |
| 40 | 12.577 | 33.137 | 25.033 | 292.6 | 0.114 |
| 45 | 11.920 | 33.131 | 25.153 | 281.2 | 0.129 |
| 50 | 11.643 | 33.125 | 25.200 | 276.8 | 0.143 |
| 60 | 10.245 | 33.352 | 25.624 | 236.6 | 0.168 |
| 70 | 9.738 | 33.550 | 25.864 | 214.0 | 0.191 |
| 80 | 9.157 | 33.643 | 26.031 | 198.2 | 0.211 |
| 90 | 9.122 | 33.747 | 26.118 | 190.1 | 0.231 |
| 100 | 9.170 | 33.860 | 26.199 | 182.7 | 0.250 |
| 125 | 8.830 | 33.944 | 26.318 | 171.7 | 0.294 |
| 150 | 8.623 | 34.009 | 26.402 | 164.2 | 0.336 |
| 175 | 7.970 | 33.973 | 26.472 | 157.8 | 0.376 |
| 200 | 7.614 | 33.983 | 26.532 | 152.4 | 0.415 |
| 225 | 7.462 | 34.024 | 26.586 | 147.6 | 0.452 |
| 250 | 7.232 | 34.018 | 26.613 | 145.3 | 0.489 |
| 275 | 6.973 | 34.020 | 26.651 | 142.0 | 0.525 |
| 300 | 6.725 | 34.022 | 26.686 | 138.8 | 0.560 |
| 325 | 6.432 | 34.027 | 26.729 | 134.9 | 0.594 |
| 350 | 6.189 | 34.039 | 26.769 | 131.2 | 0.627 |
| 375 | 6.036 | 34.054 | 26.801 | 128.5 | 0.660 |
| 400 | 5.893 | 34.064 | 26.827 | 126.2 | 0.692 |
| 425 | 5.792 | 34.086 | 26.857 | 123.6 | 0.723 |
| 450 | 5.552 | 34.093 | 26.891 | 120.4 | 0.753 |
| 475 | 5.469 | 34.118 | 26.921 | 117.8 | 0.783 |
| 499 | 5.353 | 34.132 | 26.946 | 115.6 | 0.811 |



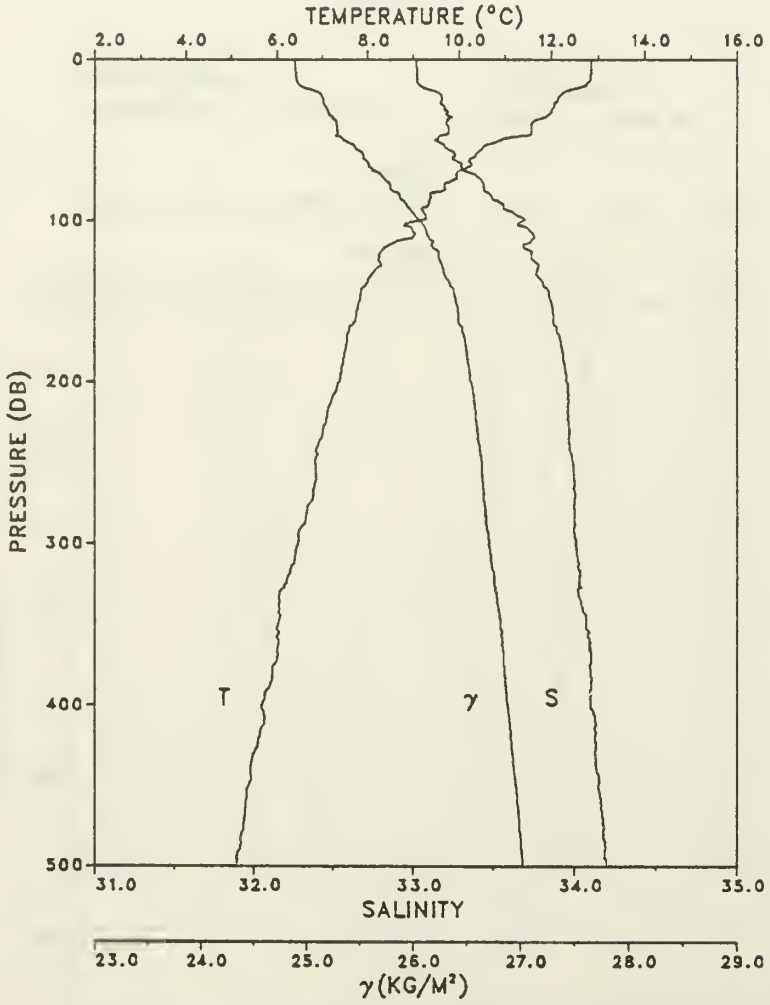

STATION: 39 LAT: 38 15.8 N LON: 125 0.0 W
DATE: 6/19/87 TIME: 0600Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.848 | 33.034 | 24.901 | 304.3 | 0.000 |
| 5 | 12.850 | 33.035 | 24.901 | 304.3 | 0.012 |
| 10 | 12.843 | 33.037 | 24.904 | 304.2 | 0.027 |
| 15 | 12.813 | 33.040 | 24.912 | 303.5 | 0.043 |
| 20 | 12.759 | 33.043 | 24.925 | 302.4 | 0.058 |
| 25 | 12.355 | 33.097 | 25.045 | 291.1 | 0.073 |
| 30 | 11.908 | 33.251 | 25.249 | 271.8 | 0.087 |
| 35 | 11.780 | 33.235 | 25.260 | 270.8 | 0.100 |
| 40 | 11.330 | 33.251 | 25.355 | 261.9 | 0.114 |
| 45 | 10.138 | 33.262 | 25.572 | 241.2 | 0.126 |
| 50 | 9.832 | 33.376 | 25.712 | 228.0 | 0.138 |
| 60 | 9.326 | 33.529 | 25.915 | 208.9 | 0.160 |
| 70 | 9.125 | 33.641 | 26.035 | 197.7 | 0.180 |
| 80 | 8.922 | 33.701 | 26.114 | 190.3 | 0.199 |
| 90 | 8.723 | 33.764 | 26.194 | 182.9 | 0.218 |
| 100 | 8.491 | 33.798 | 26.256 | 177.1 | 0.236 |
| 125 | 8.141 | 33.874 | 26.369 | 166.8 | 0.279 |
| 150 | 7.901 | 33.936 | 26.453 | 159.1 | 0.320 |
| 175 | 7.682 | 33.979 | 26.519 | 153.2 | 0.359 |
| 200 | 7.321 | 34.002 | 26.588 | 146.9 | 0.396 |
| 225 | 7.028 | 34.004 | 26.631 | 143.2 | 0.433 |
| 250 | 6.663 | 33.998 | 26.675 | 139.1 | 0.468 |
| 275 | 6.239 | 33.981 | 26.717 | 135.2 | 0.502 |
| 300 | 6.235 | 34.028 | 26.755 | 132.0 | 0.536 |
| 325 | 6.084 | 34.044 | 26.787 | 129.2 | 0.568 |
| 350 | 5.883 | 34.054 | 26.820 | 126.2 | 0.600 |
| 375 | 5.679 | 34.066 | 26.855 | 123.1 | 0.631 |
| 400 | 5.561 | 34.080 | 26.880 | 120.9 | 0.662 |
| 425 | 5.380 | 34.078 | 26.900 | 119.1 | 0.692 |
| 450 | 5.349 | 34.122 | 26.939 | 115.8 | 0.721 |
| 475 | 5.275 | 34.146 | 26.966 | 113.3 | 0.750 |
| 499 | 5.189 | 34.162 | 26.989 | 111.4 | 0.777 |



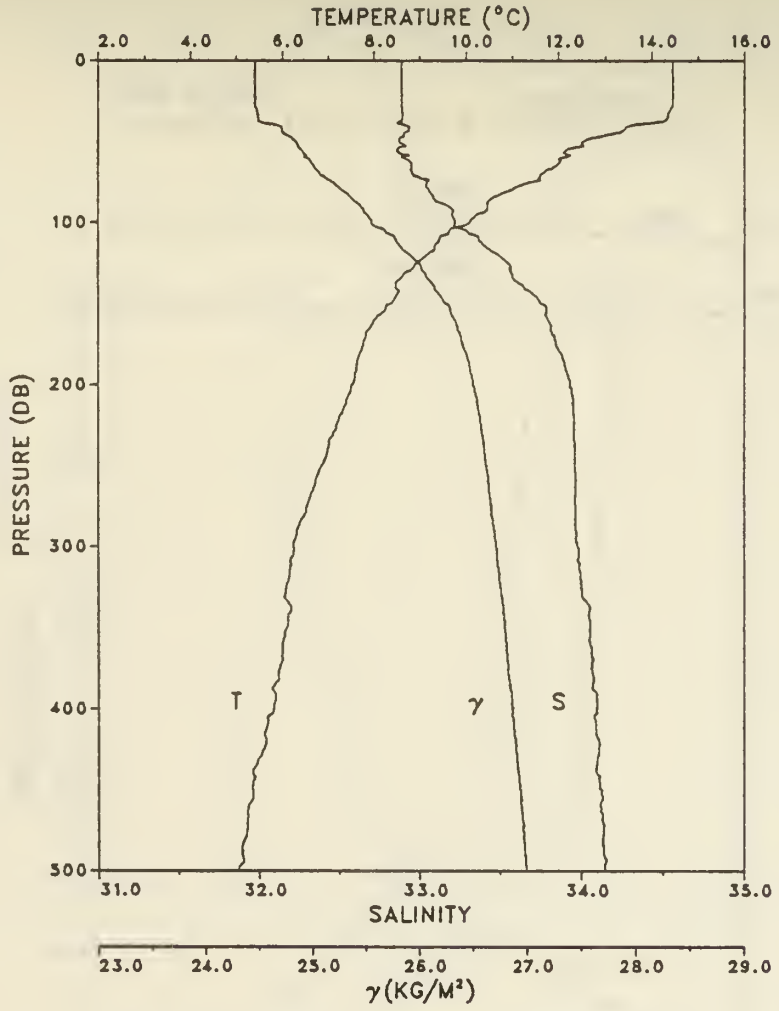

STATION: 40 LAT: 38 8.4 N LON: 124 55.9 W
DATE: 6/19/87 TIME: 0700Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.854 | 33.118 | 24.964 | 298.2 | 0.000 |
| 5 | 12.851 | 33.117 | 24.964 | 298.3 | 0.012 |
| 10 | 12.850 | 33.117 | 24.964 | 298.4 | 0.027 |
| 15 | 12.834 | 33.114 | 24.965 | 298.4 | 0.042 |
| 20 | 12.674 | 33.091 | 24.979 | 297.3 | 0.057 |
| 25 | 12.021 | 33.128 | 25.132 | 282.8 | 0.071 |
| 30 | 12.040 | 33.185 | 25.173 | 279.0 | 0.085 |
| 35 | 11.893 | 33.200 | 25.212 | 275.4 | 0.099 |
| 40 | 11.580 | 33.209 | 25.277 | 269.3 | 0.113 |
| 45 | 10.719 | 33.201 | 25.425 | 255.3 | 0.126 |
| 50 | 9.844 | 33.354 | 25.693 | 229.8 | 0.138 |
| 60 | 9.714 | 33.533 | 25.855 | 214.7 | 0.160 |
| 70 | 9.151 | 33.629 | 26.021 | 199.0 | 0.181 |
| 80 | 8.939 | 33.684 | 26.098 | 191.9 | 0.200 |
| 90 | 8.702 | 33.762 | 26.196 | 182.7 | 0.219 |
| 100 | 8.460 | 33.813 | 26.273 | 175.5 | 0.237 |
| 125 | 7.959 | 33.918 | 26.430 | 160.9 | 0.279 |
| 150 | 7.700 | 33.997 | 26.530 | 151.8 | 0.318 |
| 175 | 7.453 | 34.001 | 26.569 | 148.4 | 0.356 |
| 200 | 7.254 | 34.011 | 26.605 | 145.3 | 0.392 |
| 225 | 6.924 | 33.993 | 26.636 | 142.6 | 0.428 |
| 250 | 6.727 | 34.008 | 26.675 | 139.2 | 0.464 |
| 275 | 6.588 | 34.035 | 26.714 | 135.7 | 0.498 |
| 300 | 6.276 | 34.040 | 26.759 | 131.6 | 0.531 |
| 325 | 6.169 | 34.070 | 26.796 | 128.3 | 0.564 |
| 350 | 5.910 | 34.072 | 26.831 | 125.2 | 0.596 |
| 375 | 5.879 | 34.109 | 26.864 | 122.4 | 0.627 |
| 400 | 5.786 | 34.132 | 26.894 | 119.8 | 0.657 |
| 425 | 5.646 | 34.148 | 26.923 | 117.2 | 0.686 |
| 450 | 5.401 | 34.159 | 26.962 | 113.6 | 0.715 |
| 475 | 5.445 | 34.190 | 26.981 | 112.2 | 0.743 |
| 499 | 5.123 | 34.170 | 27.003 | 110.0 | 0.770 |



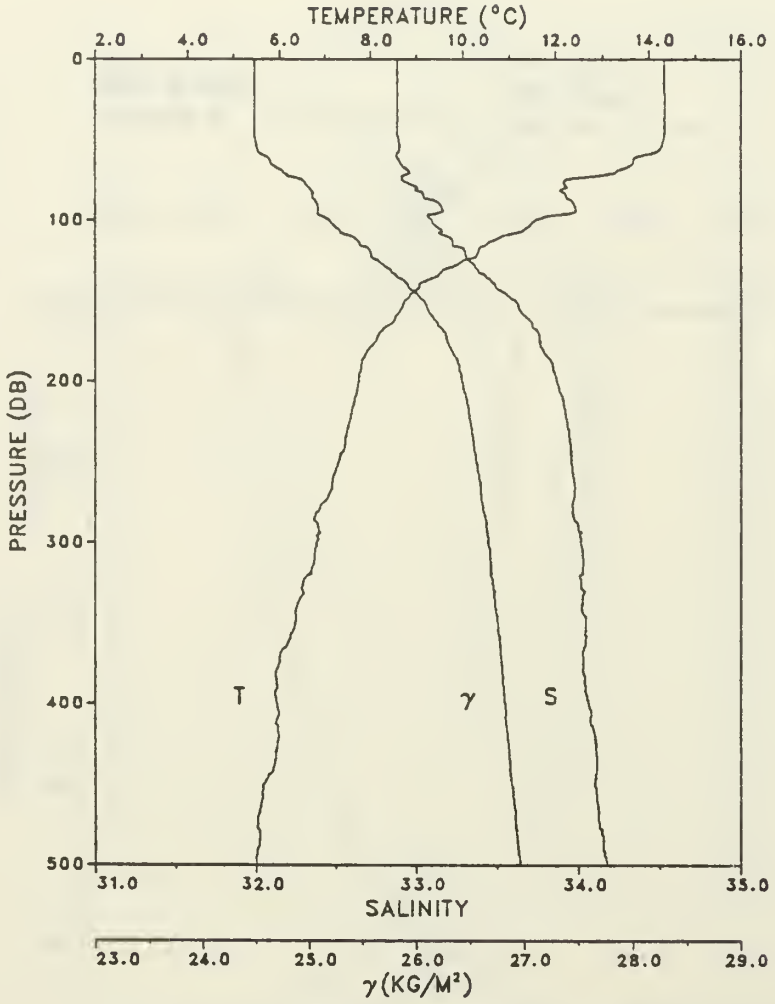

STATION: 41 LAT: 38 1.5 N LON: 124 51.8 W
DATE: 6/19/87 TIME: 0900Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.857 | 33.020 | 24.888 | 305.5 | 0.000 |
| 5 | 12.853 | 33.021 | 24.890 | 305.4 | 0.012 |
| 10 | 12.835 | 33.023 | 24.895 | 305.0 | 0.027 |
| 15 | 12.754 | 33.026 | 24.913 | 303.4 | 0.043 |
| 20 | 12.268 | 33.147 | 25.100 | 285.7 | 0.057 |
| 25 | 12.128 | 33.177 | 25.150 | 281.1 | 0.072 |
| 30 | 12.036 | 33.200 | 25.185 | 277.8 | 0.086 |
| 35 | 11.890 | 33.218 | 25.226 | 274.0 | 0.099 |
| 40 | 11.572 | 33.206 | 25.276 | 269.4 | 0.113 |
| 45 | 11.569 | 33.220 | 25.287 | 268.4 | 0.126 |
| 50 | 10.891 | 33.132 | 25.341 | 263.4 | 0.140 |
| 60 | 10.361 | 33.265 | 25.537 | 244.9 | 0.165 |
| 70 | 9.960 | 33.335 | 25.659 | 233.4 | 0.189 |
| 80 | 9.691 | 33.441 | 25.786 | 221.5 | 0.212 |
| 90 | 9.332 | 33.564 | 25.941 | 207.0 | 0.233 |
| 100 | 9.107 | 33.677 | 26.066 | 195.3 | 0.253 |
| 125 | 8.262 | 33.754 | 26.257 | 177.4 | 0.300 |
| 150 | 7.810 | 33.854 | 26.402 | 163.9 | 0.343 |
| 175 | 7.553 | 33.915 | 26.487 | 156.2 | 0.383 |
| 200 | 7.379 | 33.952 | 26.541 | 151.4 | 0.421 |
| 225 | 7.087 | 33.963 | 26.590 | 147.0 | 0.458 |
| 250 | 6.855 | 33.987 | 26.641 | 142.5 | 0.495 |
| 275 | 6.721 | 33.996 | 26.666 | 140.4 | 0.530 |
| 300 | 6.467 | 34.005 | 26.707 | 136.7 | 0.565 |
| 325 | 6.191 | 34.022 | 26.756 | 132.2 | 0.598 |
| 350 | 6.033 | 34.070 | 26.814 | 126.9 | 0.631 |
| 375 | 5.943 | 34.092 | 26.842 | 124.5 | 0.662 |
| 400 | 5.667 | 34.095 | 26.879 | 121.1 | 0.693 |
| 425 | 5.583 | 34.132 | 26.918 | 117.6 | 0.722 |
| 450 | 5.369 | 34.146 | 26.955 | 114.2 | 0.751 |
| 475 | 5.269 | 34.177 | 26.992 | 111.0 | 0.780 |
| 499 | 5.114 | 34.192 | 27.022 | 108.2 | 0.806 |



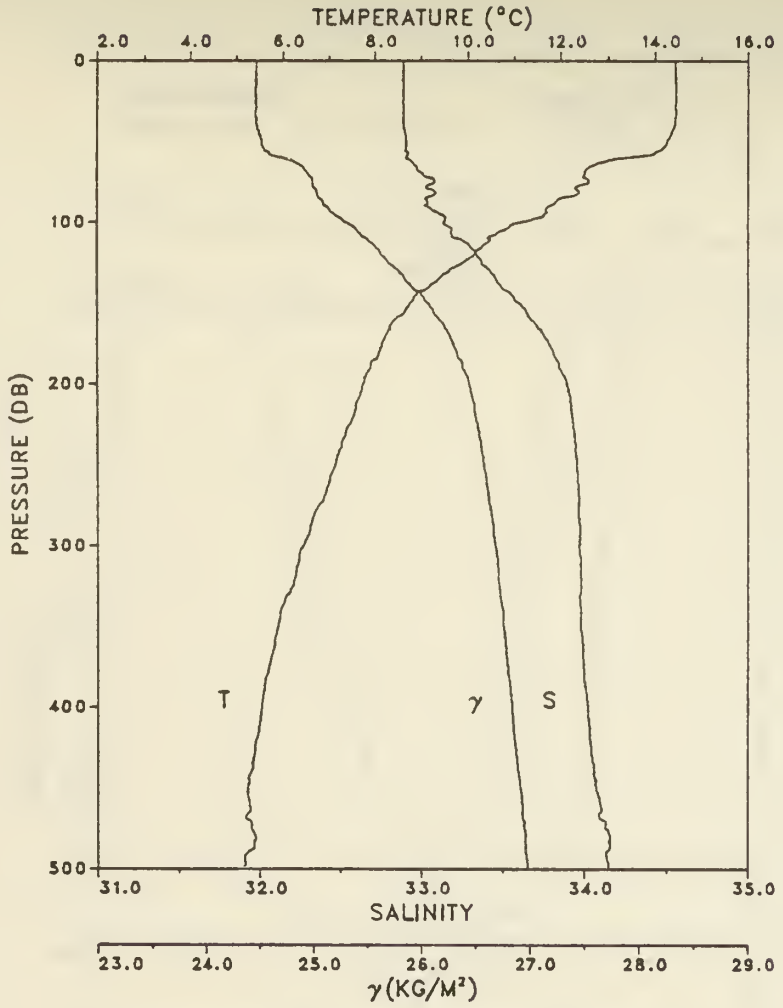

STATION: 42 LAT: 37 54.0 N LON: 124 47.6 W
DATE: 6/19/87 TIME: 1000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 14.444 | 32.885 | 24.461 | 346.1 | 0.000 |
| 5 | 14.444 | 32.885 | 24.461 | 346.2 | 0.014 |
| 10 | 14.450 | 32.883 | 24.458 | 346.6 | 0.031 |
| 15 | 14.447 | 32.883 | 24.459 | 346.7 | 0.049 |
| 20 | 14.448 | 32.883 | 24.459 | 346.8 | 0.066 |
| 25 | 14.451 | 32.883 | 24.458 | 347.0 | 0.083 |
| 30 | 14.398 | 32.887 | 24.472 | 345.8 | 0.101 |
| 35 | 14.343 | 32.892 | 24.488 | 344.4 | 0.118 |
| 40 | 13.619 | 32.895 | 24.639 | 330.1 | 0.135 |
| 45 | 13.293 | 32.899 | 24.708 | 323.6 | 0.151 |
| 50 | 12.536 | 32.871 | 24.835 | 311.6 | 0.167 |
| 60 | 12.156 | 32.879 | 24.913 | 304.4 | 0.198 |
| 70 | 11.668 | 32.953 | 25.062 | 290.4 | 0.227 |
| 80 | 10.993 | 33.057 | 25.264 | 271.3 | 0.255 |
| 90 | 10.474 | 33.172 | 25.445 | 254.3 | 0.282 |
| 100 | 10.078 | 33.217 | 25.547 | 244.7 | 0.307 |
| 125 | 8.955 | 33.541 | 25.983 | 203.5 | 0.363 |
| 150 | 8.367 | 33.748 | 26.236 | 179.8 | 0.411 |
| 175 | 7.770 | 33.843 | 26.399 | 164.6 | 0.454 |
| 200 | 7.524 | 33.927 | 26.501 | 155.3 | 0.494 |
| 225 | 7.180 | 33.956 | 26.572 | 148.8 | 0.532 |
| 250 | 6.844 | 33.960 | 26.621 | 144.3 | 0.568 |
| 275 | 6.538 | 33.963 | 26.664 | 140.4 | 0.604 |
| 300 | 6.252 | 33.976 | 26.712 | 136.1 | 0.638 |
| 325 | 6.085 | 33.999 | 26.751 | 132.6 | 0.672 |
| 350 | 6.088 | 34.051 | 26.792 | 129.0 | 0.705 |
| 375 | 5.933 | 34.059 | 26.818 | 126.8 | 0.737 |
| 400 | 5.802 | 34.093 | 26.861 | 122.9 | 0.768 |
| 425 | 5.595 | 34.106 | 26.896 | 119.7 | 0.798 |
| 450 | 5.363 | 34.124 | 26.939 | 115.8 | 0.828 |
| 475 | 5.223 | 34.135 | 26.964 | 113.5 | 0.856 |
| 499 | 5.053 | 34.143 | 26.990 | 111.2 | 0.883 |



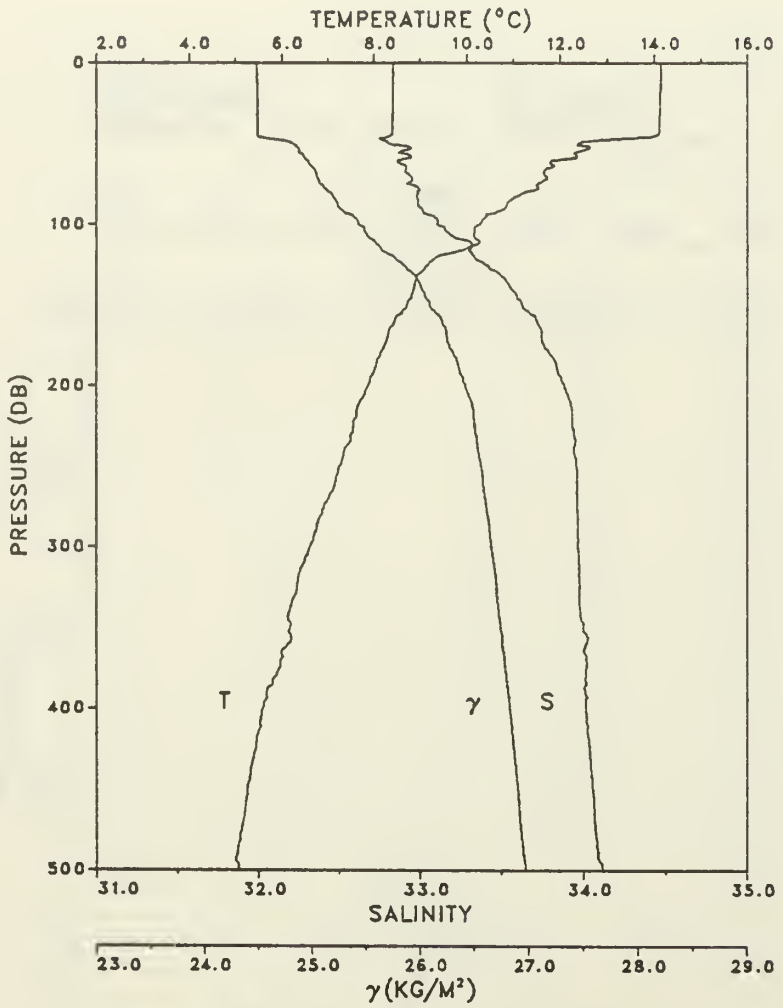

STATION: 43 LAT: 37 46.8 N LON: 124 44.1 W
DATE: 6/19/87 TIME: 1200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 14.329 | 32.880 | 24.481 | 344.2 | 0.000 |
| 5 | 14.331 | 32.881 | 24.482 | 344.3 | 0.014 |
| 10 | 14.333 | 32.881 | 24.481 | 344.4 | 0.031 |
| 15 | 14.335 | 32.881 | 24.481 | 344.6 | 0.048 |
| 20 | 14.338 | 32.881 | 24.480 | 344.8 | 0.065 |
| 25 | 14.340 | 32.880 | 24.479 | 345.0 | 0.083 |
| 30 | 14.339 | 32.881 | 24.480 | 345.1 | 0.100 |
| 35 | 14.339 | 32.881 | 24.480 | 345.2 | 0.117 |
| 40 | 14.339 | 32.881 | 24.480 | 345.3 | 0.134 |
| 45 | 14.339 | 32.881 | 24.480 | 345.4 | 0.152 |
| 50 | 14.316 | 32.889 | 24.491 | 344.5 | 0.169 |
| 60 | 13.908 | 32.876 | 24.566 | 337.6 | 0.203 |
| 70 | 13.317 | 32.955 | 24.747 | 320.6 | 0.236 |
| 80 | 12.256 | 33.006 | 24.993 | 297.3 | 0.267 |
| 90 | 12.392 | 33.142 | 25.073 | 289.9 | 0.296 |
| 100 | 11.567 | 33.094 | 25.190 | 278.9 | 0.325 |
| 125 | 10.025 | 33.327 | 25.642 | 236.1 | 0.389 |
| 150 | 8.743 | 33.610 | 26.070 | 195.6 | 0.443 |
| 175 | 8.113 | 33.761 | 26.284 | 175.6 | 0.489 |
| 200 | 7.736 | 33.864 | 26.421 | 162.9 | 0.532 |
| 225 | 7.540 | 33.928 | 26.499 | 155.8 | 0.572 |
| 250 | 7.298 | 33.953 | 26.553 | 151.0 | 0.610 |
| 275 | 6.964 | 33.963 | 26.607 | 146.1 | 0.647 |
| 300 | 6.819 | 34.015 | 26.668 | 140.6 | 0.683 |
| 325 | 6.523 | 34.014 | 26.706 | 137.1 | 0.718 |
| 350 | 6.350 | 34.042 | 26.751 | 133.1 | 0.751 |
| 375 | 5.989 | 34.025 | 26.784 | 130.0 | 0.784 |
| 400 | 5.949 | 34.062 | 26.818 | 127.1 | 0.816 |
| 425 | 5.964 | 34.106 | 26.851 | 124.3 | 0.848 |
| 450 | 5.653 | 34.098 | 26.883 | 121.3 | 0.879 |
| 475 | 5.524 | 34.125 | 26.920 | 118.0 | 0.908 |
| 499 | 5.489 | 34.171 | 26.961 | 114.4 | 0.936 |



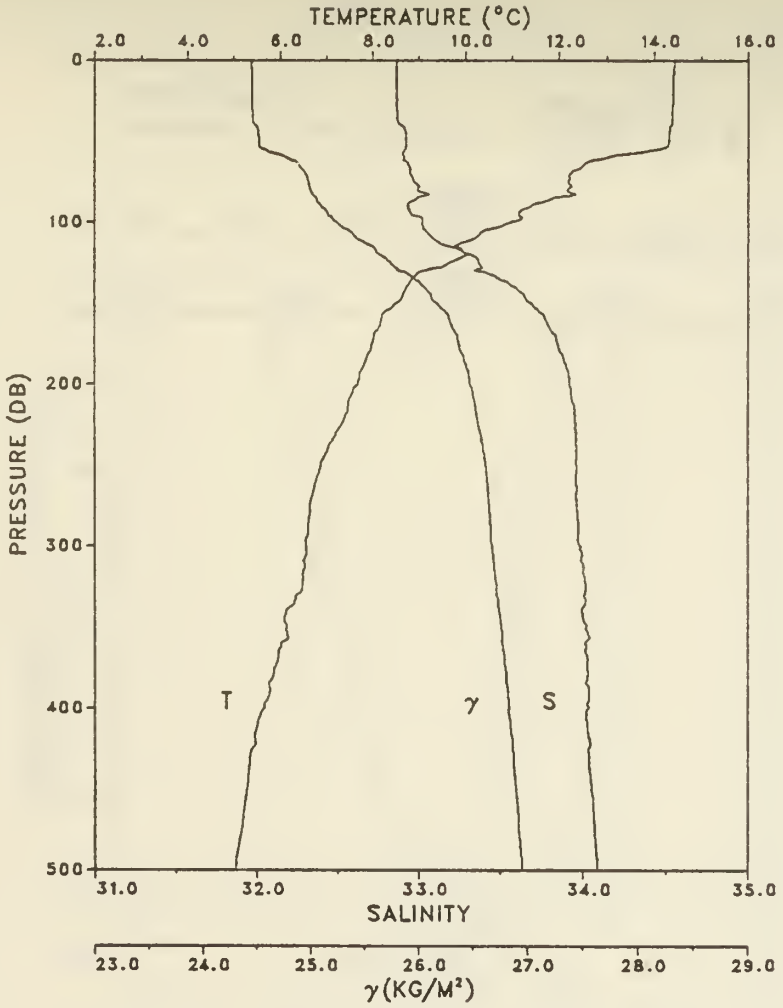

STATION: 44 LAT: 37 46.9 N LON: 124 56.0 W
DATE: 6/19/87 TIME: 1300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 14.431 | 32.890 | 24.468 | 345.5 | 0.000 |
| 5 | 14.438 | 32.888 | 24.465 | 345.9 | 0.014 |
| 10 | 14.443 | 32.888 | 24.464 | 346.1 | 0.031 |
| 15 | 14.442 | 32.888 | 24.464 | 346.2 | 0.048 |
| 20 | 14.445 | 32.888 | 24.463 | 346.4 | 0.066 |
| 25 | 14.442 | 32.887 | 24.463 | 346.5 | 0.083 |
| 30 | 14.442 | 32.888 | 24.464 | 346.6 | 0.100 |
| 35 | 14.440 | 32.889 | 24.465 | 346.6 | 0.118 |
| 40 | 14.423 | 32.892 | 24.471 | 346.2 | 0.135 |
| 45 | 14.353 | 32.901 | 24.493 | 344.2 | 0.152 |
| 50 | 14.254 | 32.908 | 24.519 | 341.9 | 0.169 |
| 60 | 13.513 | 32.907 | 24.670 | 327.6 | 0.203 |
| 70 | 12.503 | 33.009 | 24.948 | 301.3 | 0.234 |
| 80 | 12.337 | 33.067 | 25.025 | 294.2 | 0.264 |
| 90 | 11.774 | 33.020 | 25.094 | 287.8 | 0.293 |
| 100 | 11.175 | 33.137 | 25.294 | 268.9 | 0.321 |
| 125 | 9.895 | 33.371 | 25.698 | 230.8 | 0.384 |
| 150 | 8.750 | 33.596 | 26.058 | 196.8 | 0.437 |
| 175 | 8.158 | 33.785 | 26.296 | 174.4 | 0.483 |
| 200 | 7.743 | 33.894 | 26.443 | 160.8 | 0.525 |
| 225 | 7.445 | 33.934 | 26.517 | 154.1 | 0.565 |
| 250 | 7.135 | 33.952 | 26.575 | 148.8 | 0.603 |
| 275 | 6.775 | 33.965 | 26.634 | 143.4 | 0.639 |
| 300 | 6.437 | 33.971 | 26.684 | 138.8 | 0.674 |
| 325 | 6.220 | 33.982 | 26.720 | 135.6 | 0.709 |
| 350 | 5.894 | 33.979 | 26.759 | 132.0 | 0.742 |
| 375 | 5.694 | 33.995 | 26.797 | 128.6 | 0.775 |
| 400 | 5.537 | 34.021 | 26.836 | 125.0 | 0.806 |
| 425 | 5.392 | 34.040 | 26.869 | 122.1 | 0.837 |
| 450 | 5.228 | 34.074 | 26.915 | 117.9 | 0.867 |
| 475 | 5.308 | 34.127 | 26.947 | 115.2 | 0.896 |
| 499 | 5.136 | 34.144 | 26.981 | 112.1 | 0.924 |



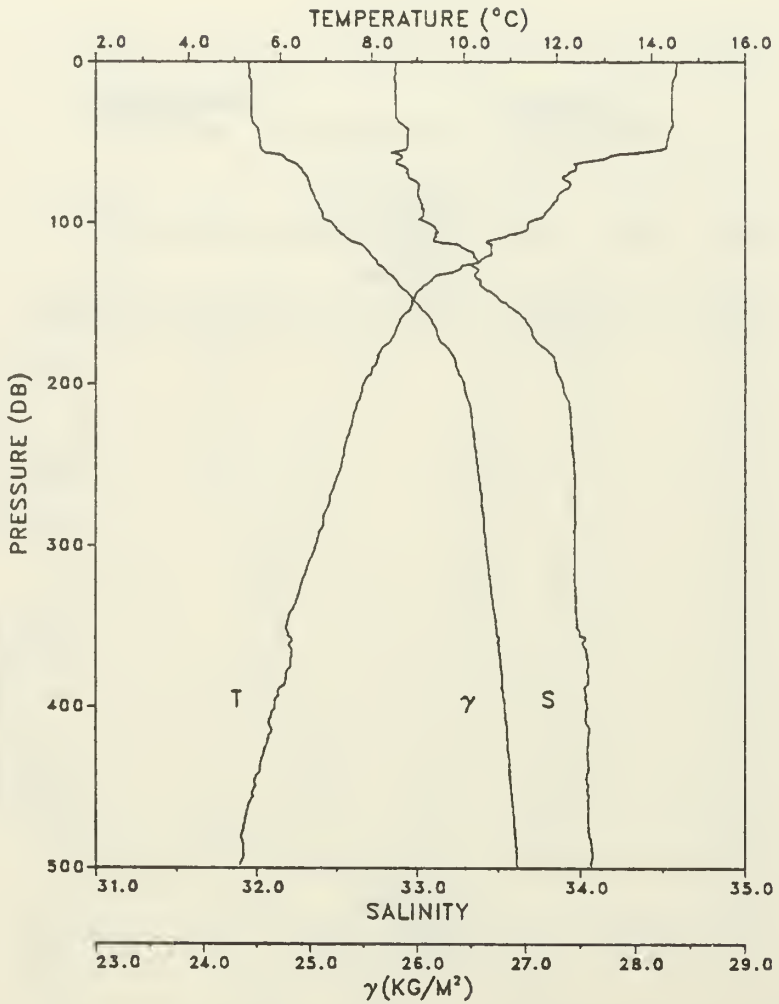

STATION: 45 LAT: 37 46.9 N LON: 123 9.0 W
DATE: 6/19/87 TIME: 1500Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 14.140 | 32.832 | 24.484 | 344.0 | 0.000 |
| 5 | 14.138 | 32.833 | 24.485 | 343.9 | 0.014 |
| 10 | 14.134 | 32.831 | 24.484 | 344.1 | 0.031 |
| 15 | 14.134 | 32.833 | 24.486 | 344.1 | 0.048 |
| 20 | 14.125 | 32.831 | 24.486 | 344.2 | 0.065 |
| 25 | 14.120 | 32.830 | 24.486 | 344.3 | 0.083 |
| 30 | 14.121 | 32.831 | 24.487 | 344.4 | 0.100 |
| 35 | 14.112 | 32.829 | 24.487 | 344.5 | 0.117 |
| 40 | 14.110 | 32.827 | 24.486 | 344.7 | 0.134 |
| 45 | 14.095 | 32.826 | 24.489 | 344.6 | 0.151 |
| 50 | 12.377 | 32.803 | 24.813 | 313.8 | 0.168 |
| 60 | 12.097 | 32.897 | 24.938 | 302.0 | 0.199 |
| 70 | 11.675 | 32.932 | 25.044 | 292.1 | 0.228 |
| 80 | 11.283 | 32.979 | 25.152 | 282.0 | 0.257 |
| 90 | 10.825 | 33.003 | 25.252 | 272.6 | 0.285 |
| 100 | 10.277 | 33.102 | 25.424 | 256.4 | 0.311 |
| 125 | 9.171 | 33.397 | 25.836 | 217.5 | 0.371 |
| 150 | 8.709 | 33.624 | 26.086 | 194.1 | 0.422 |
| 175 | 8.216 | 33.758 | 26.267 | 177.3 | 0.468 |
| 200 | 7.857 | 33.881 | 26.416 | 163.4 | 0.511 |
| 225 | 7.547 | 33.931 | 26.500 | 155.7 | 0.551 |
| 250 | 7.245 | 33.956 | 26.563 | 150.0 | 0.589 |
| 275 | 6.919 | 33.960 | 26.611 | 145.7 | 0.626 |
| 300 | 6.616 | 33.965 | 26.655 | 141.6 | 0.662 |
| 325 | 6.339 | 33.975 | 26.700 | 137.6 | 0.697 |
| 350 | 6.177 | 33.999 | 26.739 | 134.1 | 0.731 |
| 375 | 5.934 | 34.013 | 26.781 | 130.2 | 0.764 |
| 400 | 5.580 | 34.012 | 26.824 | 126.2 | 0.796 |
| 425 | 5.429 | 34.037 | 26.862 | 122.8 | 0.827 |
| 450 | 5.245 | 34.055 | 26.898 | 119.5 | 0.857 |
| 475 | 5.124 | 34.073 | 26.926 | 117.0 | 0.887 |
| 499 | 5.062 | 34.115 | 26.967 | 113.3 | 0.915 |



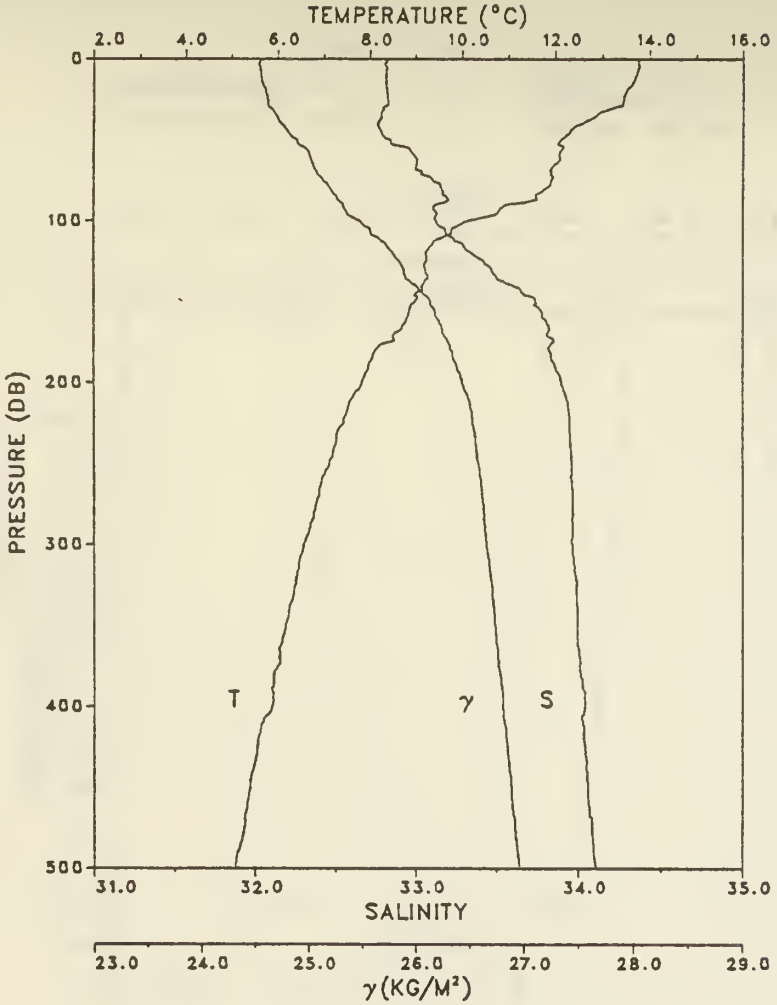

STATION: 46 LAT: 37 46.9 N LON: 125 22.0 W
DATE: 6/19/87 TIME: 1700Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 14.430 | 32.861 | 24.446 | 347.6 | 0.000 |
| 5 | 14.410 | 32.862 | 24.451 | 347.2 | 0.014 |
| 10 | 14.404 | 32.862 | 24.452 | 347.2 | 0.031 |
| 15 | 14.400 | 32.862 | 24.453 | 347.3 | 0.049 |
| 20 | 14.395 | 32.863 | 24.454 | 347.2 | 0.066 |
| 25 | 14.392 | 32.864 | 24.456 | 347.2 | 0.083 |
| 30 | 14.388 | 32.863 | 24.456 | 347.4 | 0.101 |
| 35 | 14.385 | 32.864 | 24.457 | 347.3 | 0.118 |
| 40 | 14.356 | 32.882 | 24.477 | 345.6 | 0.135 |
| 45 | 14.317 | 32.918 | 24.513 | 342.3 | 0.153 |
| 50 | 14.306 | 32.921 | 24.518 | 342.0 | 0.170 |
| 60 | 13.056 | 32.908 | 24.762 | 318.8 | 0.203 |
| 70 | 12.253 | 32.944 | 24.945 | 301.5 | 0.234 |
| 80 | 12.161 | 32.992 | 25.000 | 296.6 | 0.264 |
| 90 | 11.403 | 32.937 | 25.098 | 287.4 | 0.293 |
| 100 | 10.991 | 33.021 | 25.237 | 274.3 | 0.321 |
| 125 | 9.668 | 33.372 | 25.736 | 227.1 | 0.384 |
| 150 | 8.508 | 33.687 | 26.167 | 186.4 | 0.435 |
| 175 | 7.984 | 33.849 | 26.373 | 167.2 | 0.480 |
| 200 | 7.683 | 33.920 | 26.472 | 158.0 | 0.520 |
| 225 | 7.329 | 33.957 | 26.552 | 150.7 | 0.559 |
| 250 | 6.875 | 33.962 | 26.618 | 144.6 | 0.596 |
| 275 | 6.645 | 33.963 | 26.650 | 141.8 | 0.631 |
| 300 | 6.581 | 33.987 | 26.677 | 139.5 | 0.667 |
| 325 | 6.485 | 34.019 | 26.715 | 136.2 | 0.701 |
| 350 | 6.138 | 34.019 | 26.760 | 132.1 | 0.735 |
| 375 | 5.877 | 34.026 | 26.799 | 128.6 | 0.767 |
| 400 | 5.663 | 34.031 | 26.829 | 125.8 | 0.799 |
| 425 | 5.384 | 34.034 | 26.865 | 122.5 | 0.830 |
| 450 | 5.278 | 34.054 | 26.893 | 120.0 | 0.860 |
| 475 | 5.166 | 34.071 | 26.920 | 117.6 | 0.890 |
| 499 | 5.031 | 34.087 | 26.948 | 115.1 | 0.918 |



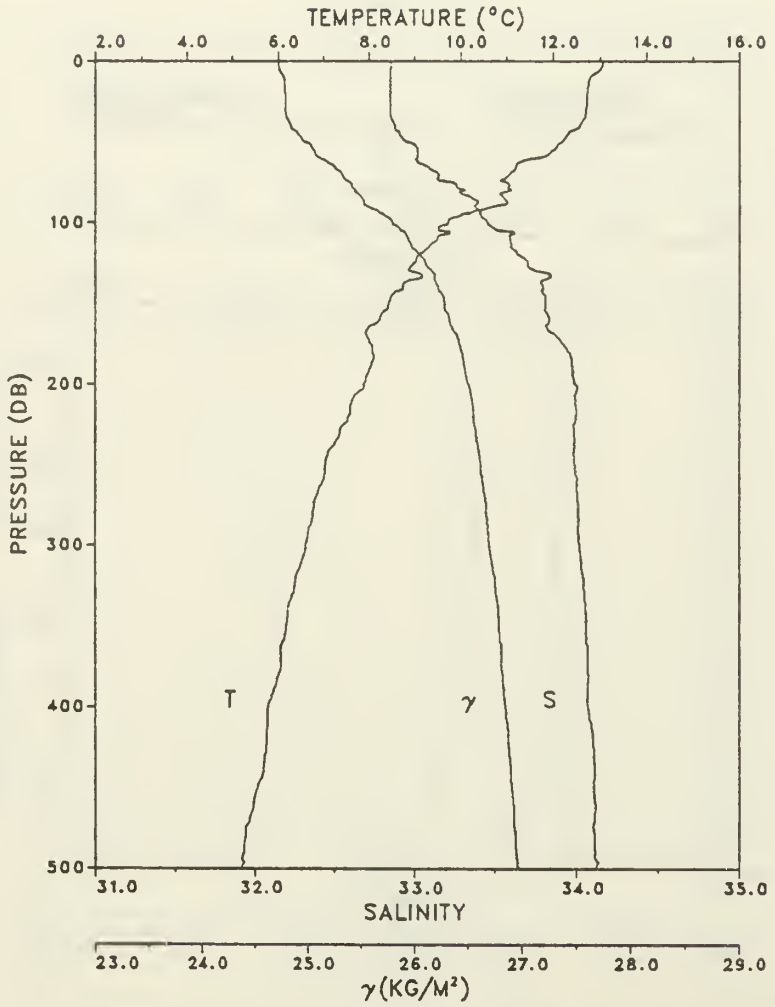

STATION: 47 LAT: 37 47.0 N LON: 125 33.0 W
DATE: 6/19/87 TIME: 1800Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 14.536 | 32.866 | 24.427 | 349.4 | 0.000 |
| 5 | 14.519 | 32.862 | 24.428 | 349.4 | 0.014 |
| 10 | 14.477 | 32.857 | 24.433 | 349.1 | 0.031 |
| 15 | 14.448 | 32.863 | 24.443 | 348.2 | 0.049 |
| 20 | 14.432 | 32.863 | 24.447 | 348.0 | 0.066 |
| 25 | 14.433 | 32.864 | 24.447 | 348.1 | 0.084 |
| 30 | 14.433 | 32.864 | 24.447 | 348.2 | 0.101 |
| 35 | 14.434 | 32.867 | 24.449 | 348.1 | 0.118 |
| 40 | 14.444 | 32.915 | 24.484 | 344.9 | 0.136 |
| 45 | 14.372 | 32.941 | 24.519 | 341.7 | 0.153 |
| 50 | 14.330 | 32.939 | 24.527 | 341.1 | 0.170 |
| 60 | 13.053 | 32.906 | 24.761 | 318.9 | 0.203 |
| 70 | 12.213 | 32.942 | 24.951 | 301.0 | 0.234 |
| 80 | 12.139 | 33.002 | 25.012 | 295.4 | 0.264 |
| 90 | 11.877 | 33.026 | 25.080 | 289.2 | 0.293 |
| 100 | 11.375 | 33.062 | 25.200 | 277.9 | 0.321 |
| 125 | 10.307 | 33.359 | 25.619 | 238.4 | 0.386 |
| 150 | 8.893 | 33.547 | 25.998 | 202.6 | 0.441 |
| 175 | 8.354 | 33.744 | 26.235 | 180.4 | 0.489 |
| 200 | 7.813 | 33.892 | 26.431 | 162.0 | 0.532 |
| 225 | 7.572 | 33.941 | 26.505 | 155.3 | 0.571 |
| 250 | 7.337 | 33.959 | 26.552 | 151.1 | 0.610 |
| 275 | 7.054 | 33.964 | 26.595 | 147.2 | 0.647 |
| 300 | 6.774 | 33.965 | 26.634 | 143.7 | 0.683 |
| 325 | 6.455 | 33.967 | 26.678 | 139.7 | 0.719 |
| 350 | 6.134 | 33.975 | 26.726 | 135.3 | 0.753 |
| 375 | 6.225 | 34.048 | 26.772 | 131.4 | 0.787 |
| 400 | 5.882 | 34.040 | 26.809 | 127.9 | 0.819 |
| 425 | 5.682 | 34.042 | 26.835 | 125.5 | 0.851 |
| 450 | 5.436 | 34.040 | 26.863 | 122.9 | 0.882 |
| 475 | 5.197 | 34.050 | 26.899 | 119.6 | 0.912 |
| 499 | 5.116 | 34.065 | 26.921 | 117.7 | 0.940 |



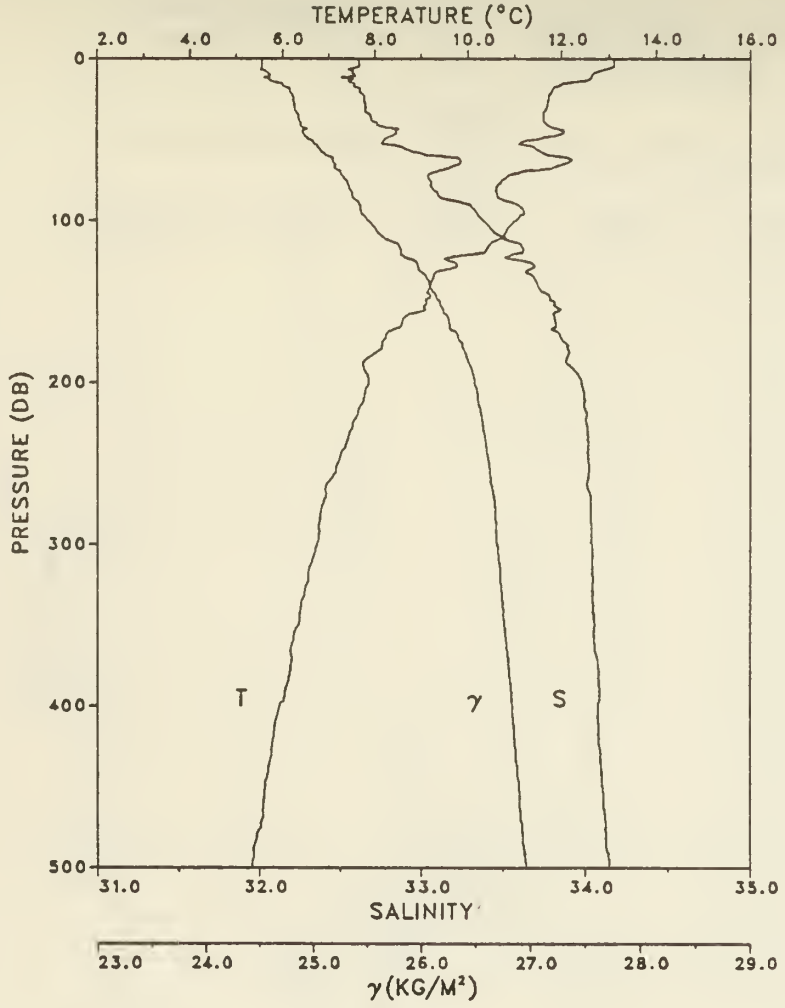

STATION: 48 LAT: 37 53.6 N LON: 125 35.6 W
DATE: 6/19/87 TIME: 2000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.764 | 32.815 | 24.548 | 337.8 | 0.000 |
| 5 | 13.773 | 32.815 | 24.546 | 338.1 | 0.014 |
| 10 | 13.721 | 32.811 | 24.554 | 337.5 | 0.030 |
| 15 | 13.647 | 32.812 | 24.570 | 336.1 | 0.047 |
| 20 | 13.507 | 32.818 | 24.603 | 333.1 | 0.064 |
| 25 | 13.446 | 32.823 | 24.619 | 331.7 | 0.081 |
| 30 | 13.249 | 32.792 | 24.634 | 330.3 | 0.097 |
| 35 | 12.864 | 32.781 | 24.702 | 324.0 | 0.114 |
| 40 | 12.574 | 32.766 | 24.746 | 319.9 | 0.130 |
| 45 | 12.301 | 32.780 | 24.809 | 314.0 | 0.145 |
| 50 | 12.111 | 32.840 | 24.892 | 306.2 | 0.161 |
| 60 | 12.089 | 32.992 | 25.014 | 294.8 | 0.191 |
| 70 | 11.909 | 33.035 | 25.081 | 288.6 | 0.220 |
| 80 | 11.789 | 33.159 | 25.199 | 277.6 | 0.248 |
| 90 | 11.011 | 33.134 | 25.321 | 266.1 | 0.276 |
| 100 | 10.136 | 33.125 | 25.466 | 252.4 | 0.302 |
| 125 | 9.227 | 33.419 | 25.845 | 216.7 | 0.360 |
| 150 | 8.976 | 33.738 | 26.134 | 189.7 | 0.411 |
| 175 | 8.443 | 33.848 | 26.303 | 173.9 | 0.456 |
| 200 | 7.823 | 33.894 | 26.431 | 162.0 | 0.498 |
| 225 | 7.425 | 33.943 | 26.527 | 153.1 | 0.538 |
| 250 | 7.116 | 33.961 | 26.585 | 147.9 | 0.575 |
| 275 | 6.825 | 33.963 | 26.626 | 144.2 | 0.612 |
| 300 | 6.565 | 33.962 | 26.660 | 141.2 | 0.648 |
| 325 | 6.369 | 33.985 | 26.704 | 137.2 | 0.682 |
| 350 | 6.164 | 33.994 | 26.737 | 134.3 | 0.716 |
| 375 | 5.998 | 34.009 | 26.770 | 131.3 | 0.750 |
| 400 | 5.866 | 34.037 | 26.809 | 127.9 | 0.782 |
| 425 | 5.548 | 34.042 | 26.851 | 123.9 | 0.813 |
| 450 | 5.384 | 34.057 | 26.883 | 121.0 | 0.844 |
| 475 | 5.255 | 34.081 | 26.917 | 117.9 | 0.874 |
| 499 | 5.071 | 34.104 | 26.957 | 114.3 | 0.902 |



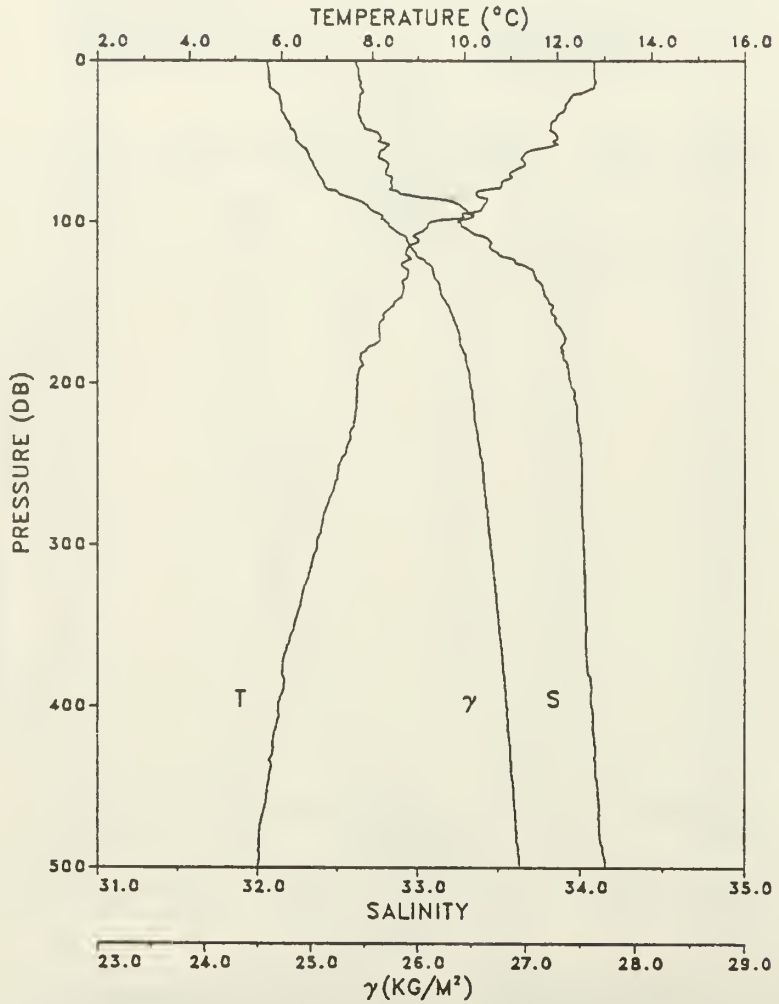

STATION: 49 LAT: 38 2.5 N LON: 125 35.1 W
DATE: 6/19/87 TIME: 2100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.063 | 32.853 | 24.718 | 321.6 | 0.000 |
| 5 | 13.020 | 32.848 | 24.723 | 321.3 | 0.013 |
| 10 | 12.788 | 32.847 | 24.767 | 317.1 | 0.029 |
| 15 | 12.742 | 32.848 | 24.777 | 316.3 | 0.045 |
| 20 | 12.722 | 32.848 | 24.781 | 316.1 | 0.060 |
| 25 | 12.712 | 32.848 | 24.783 | 316.0 | 0.076 |
| 30 | 12.704 | 32.848 | 24.785 | 316.0 | 0.092 |
| 35 | 12.677 | 32.853 | 24.794 | 315.2 | 0.108 |
| 40 | 12.566 | 32.875 | 24.832 | 311.7 | 0.124 |
| 45 | 12.310 | 32.903 | 24.903 | 305.0 | 0.139 |
| 50 | 12.184 | 32.948 | 24.962 | 299.6 | 0.154 |
| 60 | 11.738 | 33.015 | 25.097 | 286.9 | 0.183 |
| 70 | 11.067 | 33.149 | 25.323 | 265.5 | 0.211 |
| 80 | 11.100 | 33.312 | 25.444 | 254.2 | 0.237 |
| 90 | 10.753 | 33.364 | 25.546 | 244.7 | 0.262 |
| 100 | 9.718 | 33.456 | 25.794 | 221.2 | 0.285 |
| 125 | 8.992 | 33.700 | 26.102 | 192.3 | 0.337 |
| 150 | 8.420 | 33.806 | 26.273 | 176.3 | 0.383 |
| 175 | 8.032 | 33.916 | 26.418 | 162.9 | 0.425 |
| 200 | 7.857 | 33.992 | 26.503 | 155.2 | 0.465 |
| 225 | 7.435 | 33.977 | 26.552 | 150.7 | 0.503 |
| 250 | 7.044 | 33.986 | 26.614 | 145.1 | 0.540 |
| 275 | 6.792 | 34.009 | 26.667 | 140.3 | 0.576 |
| 300 | 6.610 | 34.017 | 26.697 | 137.7 | 0.611 |
| 325 | 6.364 | 34.041 | 26.748 | 133.0 | 0.645 |
| 350 | 6.185 | 34.057 | 26.784 | 129.8 | 0.677 |
| 375 | 6.057 | 34.068 | 26.809 | 127.7 | 0.710 |
| 400 | 5.772 | 34.068 | 26.845 | 124.4 | 0.741 |
| 425 | 5.738 | 34.104 | 26.877 | 121.6 | 0.772 |
| 450 | 5.537 | 34.108 | 26.905 | 119.1 | 0.802 |
| 475 | 5.282 | 34.106 | 26.934 | 116.4 | 0.831 |
| 499 | 5.197 | 34.123 | 26.957 | 114.4 | 0.859 |



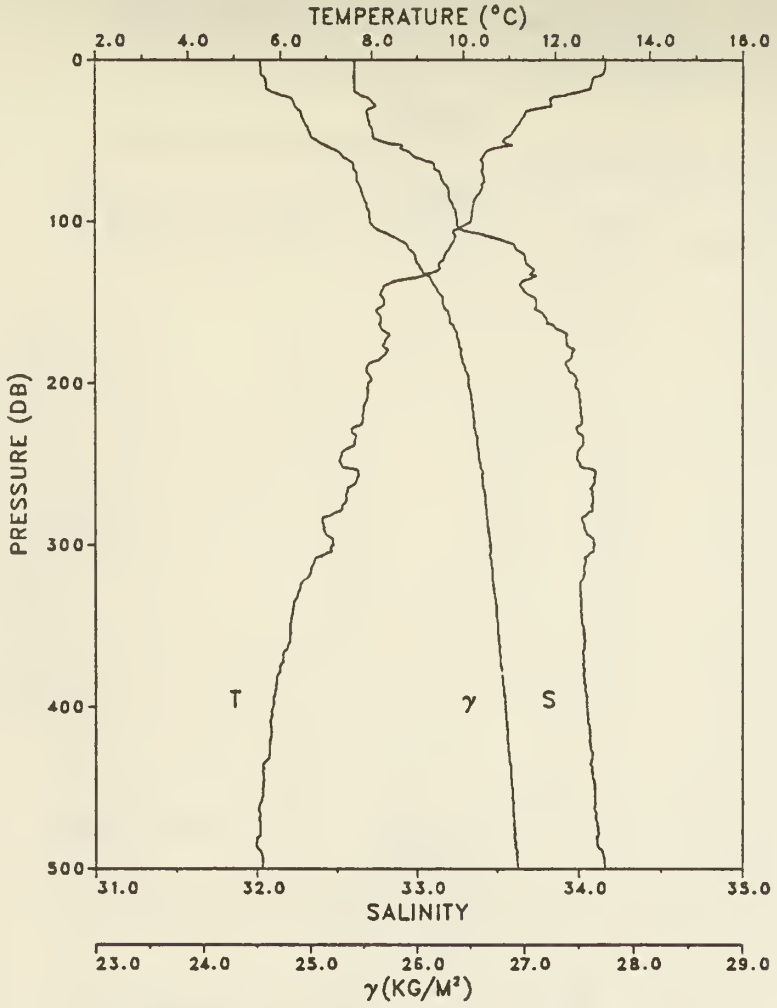

STATION: 50 LAT: 38 10.4 N LON: 125 35.3 W
DATE: 6/19/87 TIME: 2300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.114 | 32.617 | 24.525 | 340.0 | 0.000 |
| 5 | 13.106 | 32.617 | 24.527 | 339.9 | 0.014 |
| 10 | 12.645 | 32.591 | 24.597 | 333.4 | 0.030 |
| 15 | 12.197 | 32.555 | 24.654 | 328.0 | 0.047 |
| 20 | 11.790 | 32.620 | 24.781 | 316.1 | 0.063 |
| 25 | 11.714 | 32.648 | 24.816 | 312.8 | 0.079 |
| 30 | 11.690 | 32.658 | 24.828 | 311.7 | 0.094 |
| 35 | 11.619 | 32.689 | 24.866 | 308.3 | 0.110 |
| 40 | 11.659 | 32.726 | 24.887 | 306.4 | 0.125 |
| 45 | 12.054 | 32.841 | 24.903 | 305.0 | 0.141 |
| 50 | 11.500 | 32.774 | 24.953 | 300.3 | 0.156 |
| 60 | 11.709 | 33.028 | 25.112 | 285.4 | 0.185 |
| 70 | 11.246 | 33.104 | 25.256 | 271.9 | 0.213 |
| 80 | 10.609 | 33.066 | 25.339 | 264.2 | 0.240 |
| 90 | 11.000 | 33.269 | 25.428 | 255.9 | 0.266 |
| 100 | 11.027 | 33.376 | 25.507 | 248.7 | 0.291 |
| 125 | 9.584 | 33.615 | 25.940 | 207.8 | 0.348 |
| 150 | 9.109 | 33.813 | 26.172 | 186.2 | 0.397 |
| 175 | 8.145 | 33.870 | 26.365 | 167.9 | 0.441 |
| 200 | 7.864 | 33.977 | 26.491 | 156.4 | 0.482 |
| 225 | 7.521 | 34.007 | 26.564 | 149.7 | 0.520 |
| 250 | 7.185 | 34.022 | 26.623 | 144.3 | 0.557 |
| 275 | 6.875 | 34.031 | 26.673 | 139.8 | 0.593 |
| 300 | 6.737 | 34.040 | 26.698 | 137.7 | 0.627 |
| 325 | 6.503 | 34.040 | 26.729 | 134.9 | 0.661 |
| 350 | 6.335 | 34.056 | 26.764 | 131.9 | 0.695 |
| 375 | 6.170 | 34.076 | 26.801 | 128.6 | 0.727 |
| 400 | 5.926 | 34.078 | 26.834 | 125.6 | 0.759 |
| 425 | 5.762 | 34.086 | 26.860 | 123.3 | 0.790 |
| 450 | 5.607 | 34.104 | 26.893 | 120.3 | 0.820 |
| 475 | 5.518 | 34.126 | 26.922 | 117.8 | 0.850 |
| 499 | 5.328 | 34.144 | 26.959 | 114.4 | 0.878 |



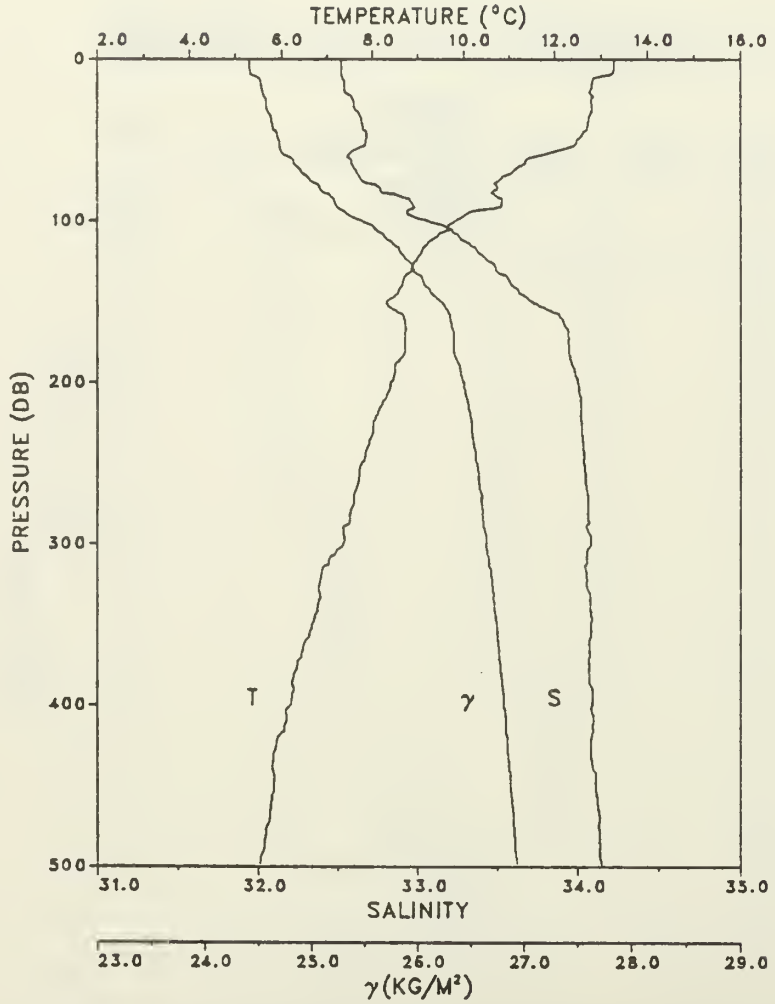

STATION: 51 LAT: 38 17.9 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.794 | 32.609 | 24.582 | 334.6 | 0.000 |
| 5 | 12.793 | 32.623 | 24.593 | 333.6 | 0.013 |
| 10 | 12.793 | 32.628 | 24.597 | 333.4 | 0.030 |
| 15 | 12.784 | 32.637 | 24.606 | 332.7 | 0.047 |
| 20 | 12.504 | 32.650 | 24.670 | 326.7 | 0.063 |
| 25 | 12.233 | 32.633 | 24.708 | 323.1 | 0.079 |
| 30 | 12.154 | 32.629 | 24.720 | 322.1 | 0.096 |
| 35 | 11.985 | 32.633 | 24.755 | 318.9 | 0.112 |
| 40 | 11.865 | 32.660 | 24.798 | 314.9 | 0.127 |
| 45 | 11.961 | 32.751 | 24.851 | 310.0 | 0.143 |
| 50 | 11.897 | 32.747 | 24.859 | 309.3 | 0.159 |
| 60 | 11.233 | 32.747 | 24.980 | 297.9 | 0.189 |
| 70 | 10.989 | 32.797 | 25.063 | 290.2 | 0.218 |
| 80 | 10.545 | 32.815 | 25.154 | 281.7 | 0.247 |
| 90 | 10.415 | 33.263 | 25.526 | 246.6 | 0.273 |
| 100 | 9.292 | 33.245 | 25.698 | 230.2 | 0.297 |
| 125 | 8.719 | 33.601 | 26.067 | 195.5 | 0.350 |
| 150 | 8.481 | 33.806 | 26.264 | 177.2 | 0.397 |
| 175 | 8.122 | 33.901 | 26.393 | 165.3 | 0.440 |
| 200 | 7.682 | 33.938 | 26.487 | 156.7 | 0.480 |
| 225 | 7.598 | 33.982 | 26.533 | 152.6 | 0.519 |
| 250 | 7.280 | 34.007 | 26.598 | 146.7 | 0.556 |
| 275 | 7.025 | 34.008 | 26.634 | 143.5 | 0.592 |
| 300 | 6.790 | 34.019 | 26.675 | 139.9 | 0.628 |
| 325 | 6.524 | 34.026 | 26.716 | 136.2 | 0.662 |
| 350 | 6.284 | 34.035 | 26.754 | 132.8 | 0.696 |
| 375 | 6.037 | 34.043 | 26.792 | 129.3 | 0.729 |
| 400 | 5.944 | 34.067 | 26.823 | 126.7 | 0.761 |
| 425 | 5.829 | 34.090 | 26.855 | 123.8 | 0.792 |
| 450 | 5.694 | 34.106 | 26.884 | 121.2 | 0.823 |
| 475 | 5.541 | 34.115 | 26.910 | 118.9 | 0.853 |
| 499 | 5.500 | 34.151 | 26.944 | 116.0 | 0.881 |



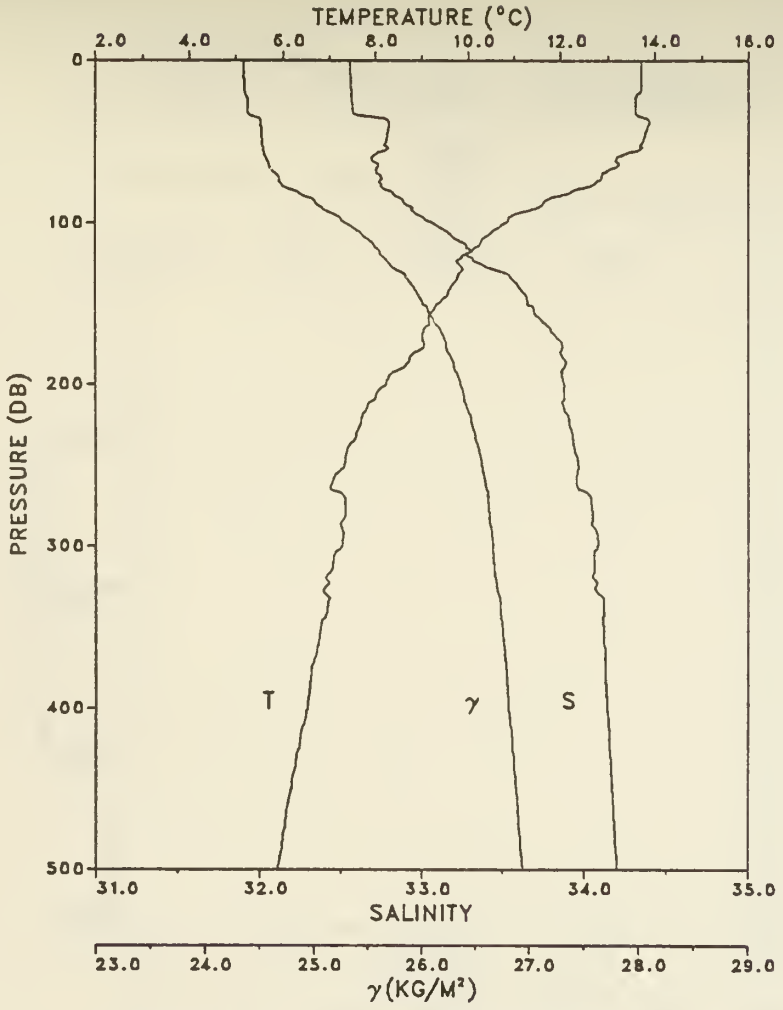

STATION: 52 LAT: 38 26.5 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.053 | 32.607 | 24.530 | 339.6 | 0.000 |
| 5 | 13.053 | 32.608 | 24.531 | 339.6 | 0.014 |
| 10 | 12.965 | 32.605 | 24.545 | 338.3 | 0.031 |
| 15 | 12.766 | 32.605 | 24.584 | 334.7 | 0.047 |
| 20 | 12.501 | 32.610 | 24.639 | 329.6 | 0.064 |
| 25 | 11.888 | 32.711 | 24.833 | 311.2 | 0.080 |
| 30 | 11.659 | 32.707 | 24.872 | 307.6 | 0.095 |
| 35 | 11.320 | 32.688 | 24.919 | 303.2 | 0.111 |
| 40 | 11.200 | 32.696 | 24.947 | 300.7 | 0.126 |
| 45 | 11.074 | 32.721 | 24.989 | 296.8 | 0.141 |
| 50 | 10.857 | 32.764 | 25.060 | 290.0 | 0.155 |
| 60 | 10.442 | 32.981 | 25.301 | 267.3 | 0.183 |
| 70 | 10.423 | 33.141 | 25.429 | 255.3 | 0.209 |
| 80 | 10.398 | 33.194 | 25.475 | 251.2 | 0.235 |
| 90 | 10.231 | 33.223 | 25.526 | 246.5 | 0.260 |
| 100 | 10.164 | 33.250 | 25.558 | 243.6 | 0.284 |
| 125 | 9.515 | 33.674 | 25.997 | 202.3 | 0.340 |
| 150 | 8.277 | 33.738 | 26.242 | 179.3 | 0.388 |
| 175 | 8.283 | 33.930 | 26.391 | 165.5 | 0.431 |
| 200 | 7.918 | 33.977 | 26.483 | 157.1 | 0.471 |
| 225 | 7.784 | 34.018 | 26.535 | 152.6 | 0.510 |
| 250 | 7.347 | 34.010 | 26.591 | 147.4 | 0.547 |
| 275 | 7.357 | 34.075 | 26.641 | 143.1 | 0.584 |
| 300 | 7.167 | 34.096 | 26.684 | 139.3 | 0.619 |
| 325 | 6.439 | 34.009 | 26.713 | 136.4 | 0.653 |
| 350 | 6.215 | 34.026 | 26.756 | 132.5 | 0.687 |
| 375 | 5.998 | 34.028 | 26.785 | 129.9 | 0.720 |
| 400 | 5.836 | 34.049 | 26.822 | 126.6 | 0.752 |
| 425 | 5.765 | 34.072 | 26.849 | 124.3 | 0.783 |
| 450 | 5.621 | 34.094 | 26.884 | 121.2 | 0.814 |
| 475 | 5.563 | 34.114 | 26.907 | 119.3 | 0.844 |
| 499 | 5.609 | 34.157 | 26.935 | 116.9 | 0.872 |



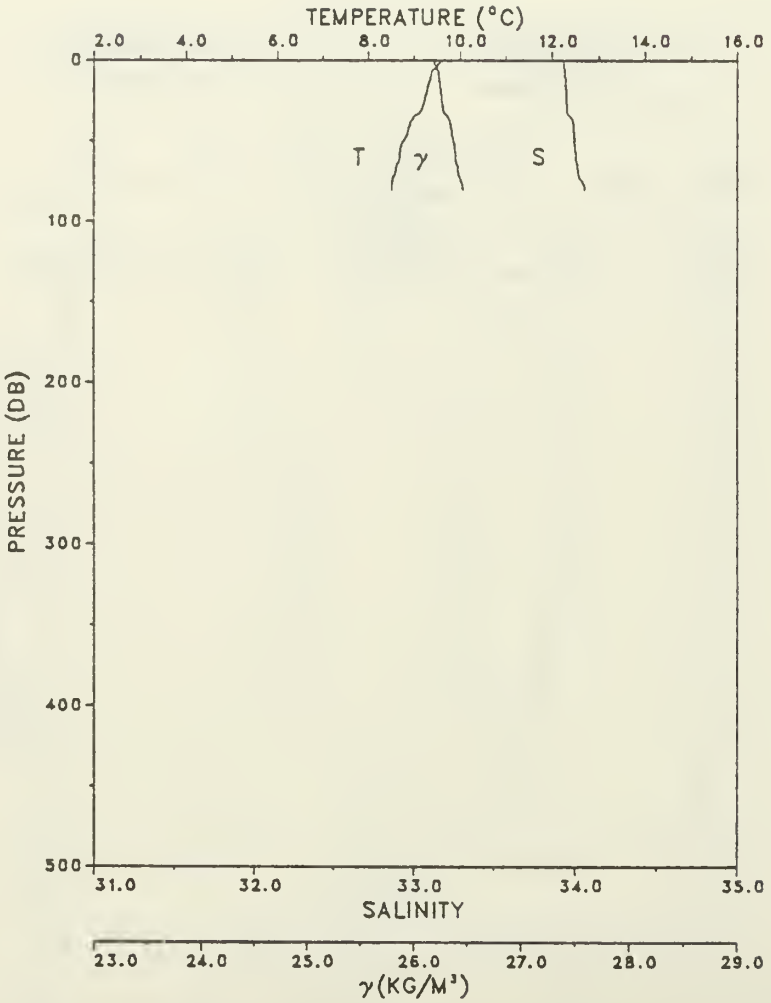

STATION: 53 LAT: 38 33.9 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.290 | 32.519 | 24.415 | 350.5 | 0.000 |
| 5 | 13.288 | 32.519 | 24.415 | 350.6 | 0.014 |
| 10 | 13.187 | 32.519 | 24.435 | 348.8 | 0.032 |
| 15 | 12.809 | 32.535 | 24.522 | 340.7 | 0.049 |
| 20 | 12.745 | 32.540 | 24.538 | 339.2 | 0.066 |
| 25 | 12.793 | 32.592 | 24.569 | 336.4 | 0.083 |
| 30 | 12.802 | 32.600 | 24.573 | 336.1 | 0.099 |
| 35 | 12.749 | 32.635 | 24.611 | 332.6 | 0.116 |
| 40 | 12.717 | 32.649 | 24.628 | 331.1 | 0.133 |
| 45 | 12.625 | 32.676 | 24.667 | 327.5 | 0.149 |
| 50 | 12.476 | 32.669 | 24.690 | 325.4 | 0.166 |
| 60 | 11.689 | 32.556 | 24.749 | 319.9 | 0.198 |
| 70 | 11.093 | 32.618 | 24.905 | 305.2 | 0.229 |
| 80 | 10.751 | 32.761 | 25.076 | 289.1 | 0.259 |
| 90 | 10.835 | 32.966 | 25.221 | 275.5 | 0.287 |
| 100 | 9.824 | 33.059 | 25.466 | 252.3 | 0.313 |
| 125 | 8.952 | 33.441 | 25.905 | 210.9 | 0.371 |
| 150 | 8.302 | 33.713 | 26.218 | 181.5 | 0.420 |
| 175 | 8.721 | 33.941 | 26.333 | 171.2 | 0.464 |
| 200 | 8.398 | 34.000 | 26.429 | 162.4 | 0.506 |
| 225 | 8.010 | 34.024 | 26.506 | 155.4 | 0.546 |
| 250 | 7.762 | 34.038 | 26.554 | 151.2 | 0.584 |
| 275 | 7.579 | 34.061 | 26.598 | 147.3 | 0.621 |
| 300 | 7.362 | 34.081 | 26.645 | 143.1 | 0.658 |
| 325 | 6.824 | 34.054 | 26.698 | 138.1 | 0.693 |
| 350 | 6.665 | 34.079 | 26.739 | 134.5 | 0.727 |
| 375 | 6.342 | 34.071 | 26.775 | 131.2 | 0.760 |
| 400 | 6.195 | 34.089 | 26.808 | 128.2 | 0.793 |
| 425 | 5.880 | 34.084 | 26.844 | 124.9 | 0.824 |
| 450 | 5.832 | 34.112 | 26.872 | 122.5 | 0.855 |
| 475 | 5.686 | 34.131 | 26.905 | 119.6 | 0.885 |
| 499 | 5.521 | 34.146 | 26.937 | 116.6 | 0.914 |



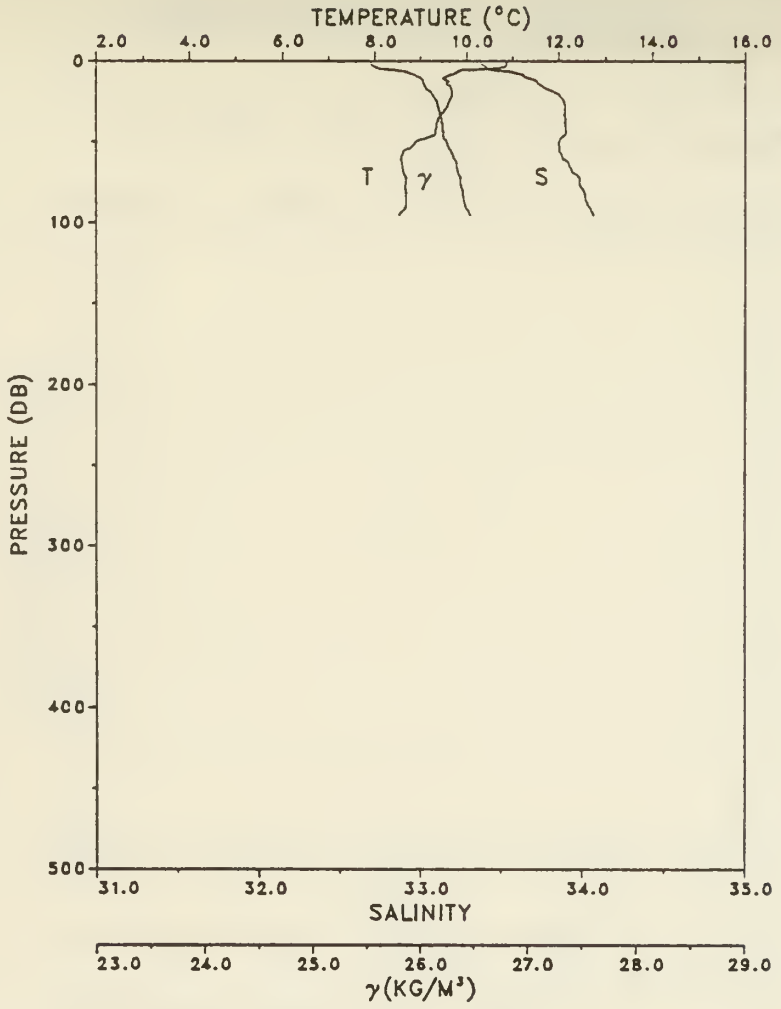

STATION: 54 LAT: 38 41.9 N LON: 125 35.1 W
DATE: 6/20/87 TIME: 0600Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.714 | 32.558 | 24.360 | 355.8 | 0.000 |
| 5 | 13.715 | 32.558 | 24.360 | 355.9 | 0.014 |
| 10 | 13.719 | 32.560 | 24.360 | 355.9 | 0.032 |
| 15 | 13.715 | 32.562 | 24.363 | 355.8 | 0.050 |
| 20 | 13.671 | 32.566 | 24.375 | 354.8 | 0.068 |
| 25 | 13.596 | 32.569 | 24.392 | 353.3 | 0.085 |
| 30 | 13.596 | 32.573 | 24.395 | 353.1 | 0.103 |
| 35 | 13.725 | 32.695 | 24.463 | 346.7 | 0.120 |
| 40 | 13.864 | 32.796 | 24.513 | 342.1 | 0.138 |
| 45 | 13.805 | 32.789 | 24.520 | 341.6 | 0.155 |
| 50 | 13.746 | 32.779 | 24.524 | 341.3 | 0.172 |
| 60 | 13.203 | 32.691 | 24.565 | 337.6 | 0.206 |
| 70 | 12.880 | 32.723 | 24.653 | 329.4 | 0.239 |
| 80 | 12.327 | 32.781 | 24.805 | 315.1 | 0.271 |
| 90 | 11.604 | 32.918 | 25.046 | 292.3 | 0.302 |
| 100 | 10.847 | 33.060 | 25.293 | 269.0 | 0.330 |
| 125 | 9.764 | 33.344 | 25.699 | 230.7 | 0.392 |
| 150 | 9.363 | 33.651 | 26.004 | 202.1 | 0.446 |
| 175 | 9.043 | 33.867 | 26.224 | 181.6 | 0.494 |
| 200 | 8.225 | 33.879 | 26.360 | 168.9 | 0.538 |
| 225 | 7.670 | 33.913 | 26.469 | 158.8 | 0.579 |
| 250 | 7.330 | 33.966 | 26.559 | 150.5 | 0.618 |
| 275 | 7.341 | 34.048 | 26.622 | 144.9 | 0.655 |
| 300 | 7.256 | 34.081 | 26.660 | 141.7 | 0.690 |
| 325 | 6.921 | 34.068 | 26.696 | 138.4 | 0.725 |
| 350 | 6.808 | 34.120 | 26.752 | 133.4 | 0.759 |
| 375 | 6.614 | 34.131 | 26.787 | 130.3 | 0.792 |
| 400 | 6.516 | 34.142 | 26.808 | 128.5 | 0.825 |
| 425 | 6.338 | 34.157 | 26.843 | 125.4 | 0.857 |
| 450 | 6.166 | 34.170 | 26.876 | 122.5 | 0.887 |
| 475 | 6.018 | 34.185 | 26.907 | 119.8 | 0.918 |
| 499 | 5.874 | 34.201 | 26.937 | 117.0 | 0.946 |



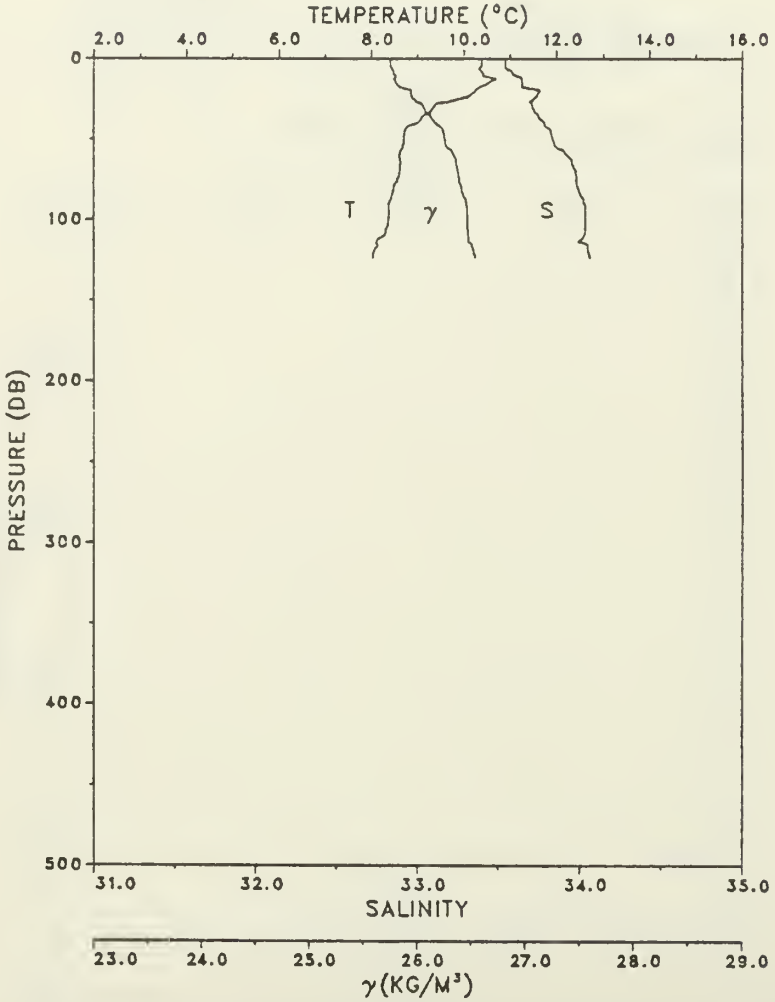

STATION: 55 LAT: 38 31.3 N LON: 123 20.6 W
DATE: 6/20/87 TIME: 1753Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 2 | 9.561 | 33.924 | 26.185 | 182.1 | 0.000 |
| 5 | 9.458 | 33.931 | 26.208 | 180.1 | 0.005 |
| 10 | 9.350 | 33.936 | 26.229 | 178.1 | 0.014 |
| 15 | 9.310 | 33.939 | 26.238 | 177.4 | 0.023 |
| 20 | 9.259 | 33.944 | 26.250 | 176.3 | 0.032 |
| 25 | 9.219 | 33.946 | 26.258 | 175.6 | 0.041 |
| 30 | 9.161 | 33.948 | 26.269 | 174.7 | 0.050 |
| 35 | 9.000 | 33.970 | 26.312 | 170.7 | 0.058 |
| 40 | 8.902 | 33.988 | 26.341 | 168.0 | 0.067 |
| 45 | 8.853 | 33.991 | 26.352 | 167.1 | 0.075 |
| 50 | 8.775 | 33.994 | 26.366 | 165.8 | 0.083 |
| 60 | 8.681 | 34.004 | 26.389 | 163.9 | 0.100 |
| 70 | 8.588 | 34.018 | 26.414 | 161.6 | 0.116 |
| 80 | 8.505 | 34.057 | 26.457 | 157.7 | 0.132 |
| 81 | 8.505 | 34.058 | 26.458 | 157.6 | 0.134 |



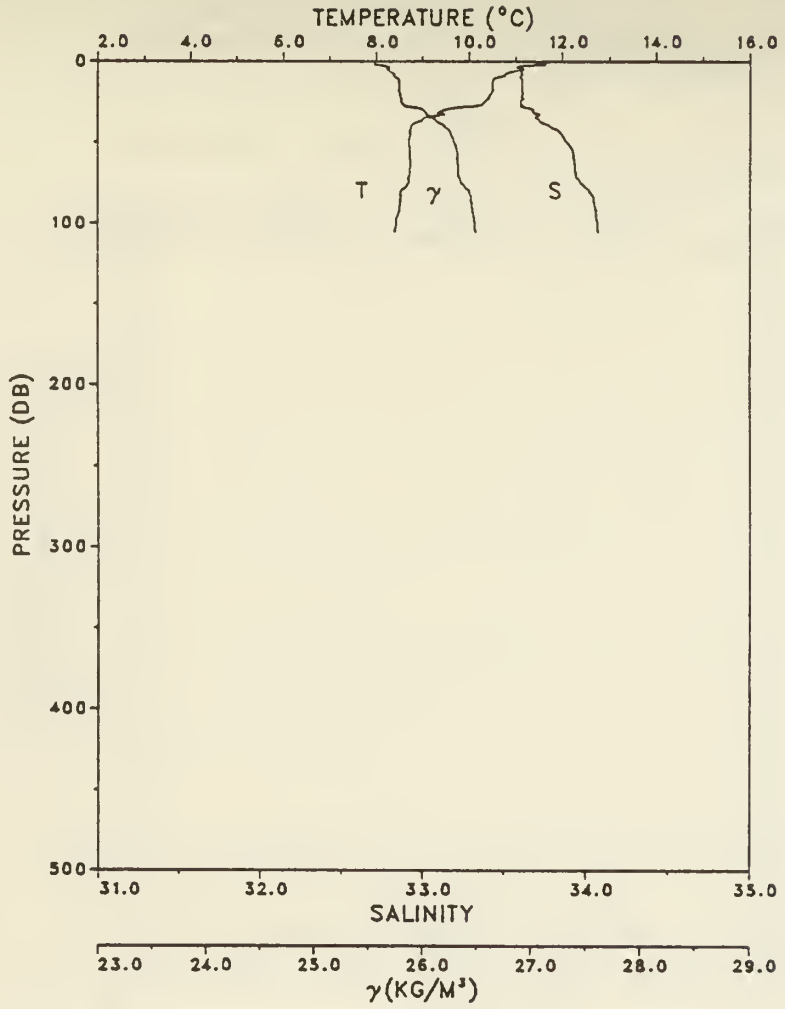

STATION: 56 LAT: 38 42.2 N LON: 123 35.6 W
DATE: 6/20/87 TIME: 2018Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 10.866 | 33.376 | 25.535 | 243.9 | 0.000 |
| 5 | 10.598 | 33.413 | 25.611 | 236.8 | 0.010 |
| 10 | 9.555 | 33.642 | 25.966 | 203.1 | 0.021 |
| 15 | 9.582 | 33.739 | 26.037 | 196.4 | 0.031 |
| 20 | 9.673 | 33.838 | 26.100 | 190.6 | 0.040 |
| 25 | 9.608 | 33.892 | 26.153 | 185.7 | 0.050 |
| 30 | 9.529 | 33.895 | 26.158 | 184.3 | 0.059 |
| 35 | 9.404 | 33.893 | 26.187 | 182.6 | 0.068 |
| 40 | 9.333 | 33.897 | 26.201 | 181.3 | 0.077 |
| 45 | 9.313 | 33.902 | 26.209 | 180.7 | 0.086 |
| 50 | 8.885 | 33.857 | 26.242 | 177.7 | 0.095 |
| 60 | 8.575 | 33.880 | 26.308 | 171.5 | 0.113 |
| 70 | 8.640 | 33.951 | 26.353 | 167.4 | 0.130 |
| 80 | 8.682 | 34.008 | 26.392 | 163.9 | 0.146 |
| 90 | 8.677 | 34.038 | 26.416 | 161.8 | 0.162 |
| 96 | 8.536 | 34.074 | 26.466 | 157.2 | 0.172 |



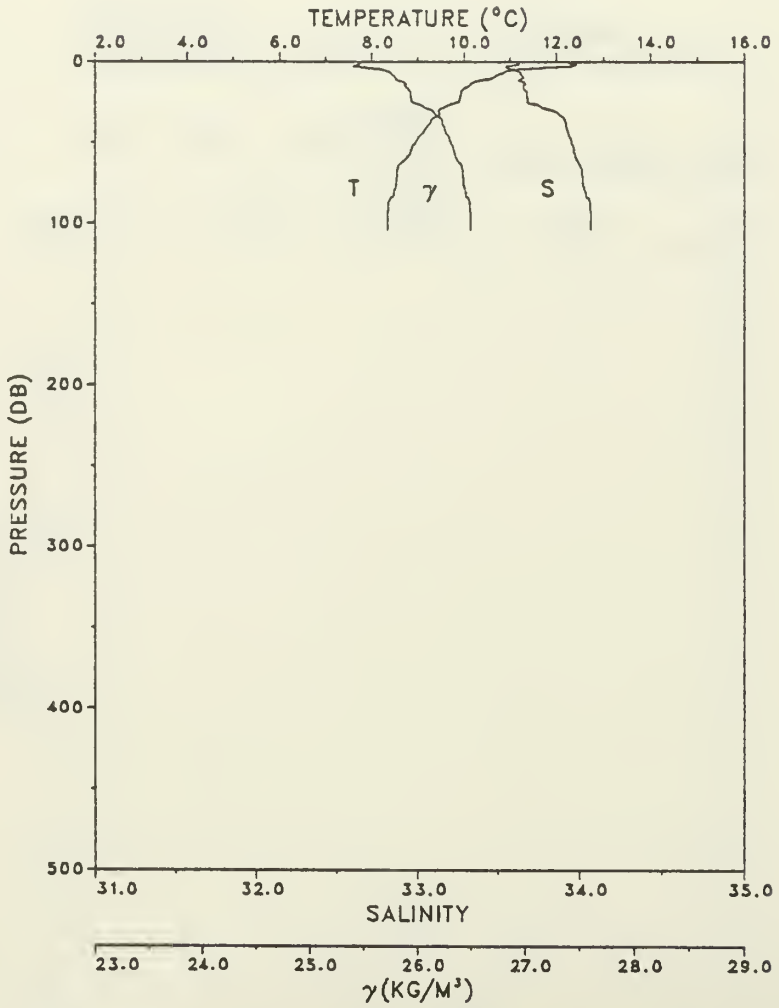

STATION: 57 LAT: 38 53.7 N LON: 123 51.0 W
DATE: 6/20/87 TIME: 2311Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 10.386 | 33.542 | 25.748 | 223.6 | 0.000 |
| 5 | 10.386 | 33.542 | 25.748 | 223.7 | 0.009 |
| 10 | 10.411 | 33.589 | 25.781 | 220.7 | 0.020 |
| 15 | 10.556 | 33.644 | 25.798 | 219.2 | 0.031 |
| 20 | 10.249 | 33.753 | 25.936 | 206.1 | 0.042 |
| 25 | 9.922 | 33.716 | 25.963 | 203.7 | 0.052 |
| 30 | 9.351 | 33.711 | 26.053 | 195.2 | 0.062 |
| 35 | 9.164 | 33.742 | 26.107 | 190.1 | 0.072 |
| 40 | 9.014 | 33.780 | 26.161 | 185.1 | 0.081 |
| 45 | 8.721 | 33.820 | 26.238 | 177.9 | 0.090 |
| 50 | 8.697 | 33.833 | 26.252 | 176.6 | 0.099 |
| 60 | 8.606 | 33.919 | 26.334 | 169.1 | 0.116 |
| 70 | 8.614 | 33.973 | 26.375 | 165.4 | 0.133 |
| 80 | 8.485 | 33.988 | 26.406 | 162.5 | 0.149 |
| 90 | 8.380 | 34.028 | 26.454 | 158.2 | 0.165 |
| 100 | 8.365 | 34.034 | 26.461 | 157.7 | 0.181 |
| 124 | 8.027 | 34.060 | 26.532 | 151.3 | 0.218 |



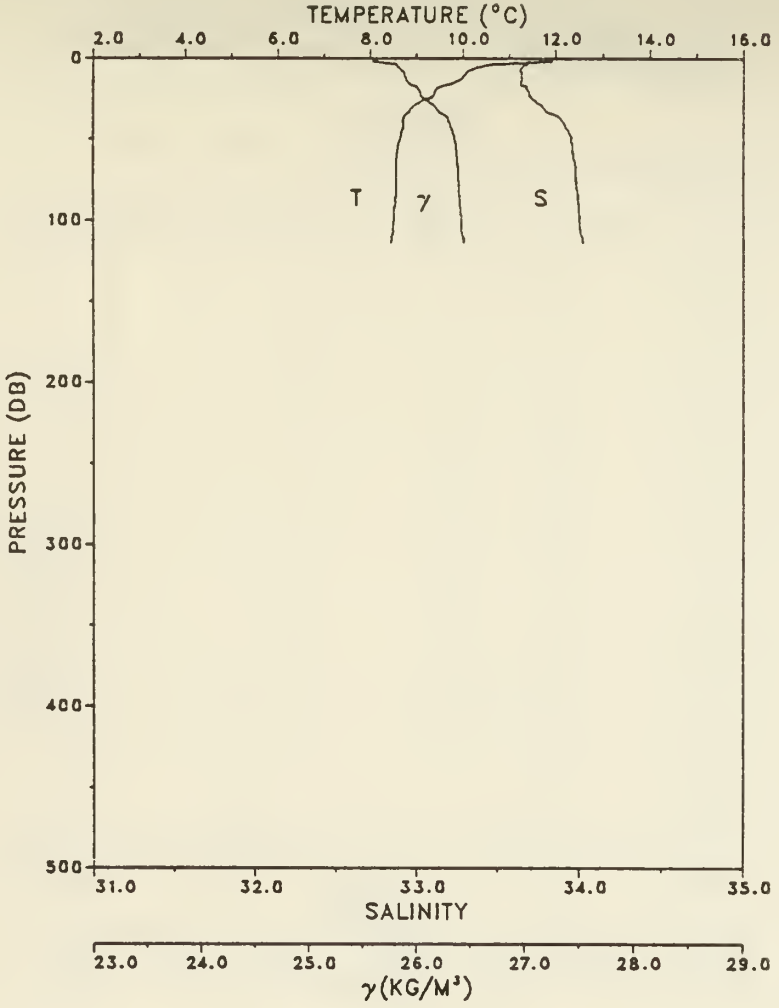

STATION: 58 LAT: 39 0.1 N LON: 123 51.5 W
DATE: 6/21/87 TIME: 0018Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.627 | 33.581 | 25.557 | 241.8 | 0.000 |
| 5 | 11.166 | 33.616 | 25.669 | 231.3 | 0.009 |
| 10 | 10.640 | 33.597 | 25.747 | 223.9 | 0.021 |
| 15 | 10.505 | 33.611 | 25.781 | 220.8 | 0.032 |
| 20 | 10.468 | 33.614 | 25.790 | 220.0 | 0.043 |
| 25 | 10.353 | 33.603 | 25.802 | 219.1 | 0.054 |
| 30 | 9.489 | 33.681 | 26.007 | 199.6 | 0.064 |
| 35 | 9.037 | 33.691 | 26.088 | 192.0 | 0.074 |
| 40 | 8.749 | 33.779 | 26.202 | 181.2 | 0.084 |
| 45 | 8.729 | 33.850 | 26.260 | 175.8 | 0.092 |
| 50 | 8.700 | 33.885 | 26.292 | 172.8 | 0.101 |
| 60 | 8.727 | 33.926 | 26.320 | 170.3 | 0.118 |
| 70 | 8.716 | 33.938 | 26.331 | 169.5 | 0.135 |
| 80 | 8.538 | 34.025 | 26.427 | 160.5 | 0.152 |
| 90 | 8.500 | 34.055 | 26.457 | 157.9 | 0.168 |
| 100 | 8.427 | 34.071 | 26.480 | 155.8 | 0.183 |
| 106 | 8.400 | 34.076 | 26.488 | 155.2 | 0.193 |



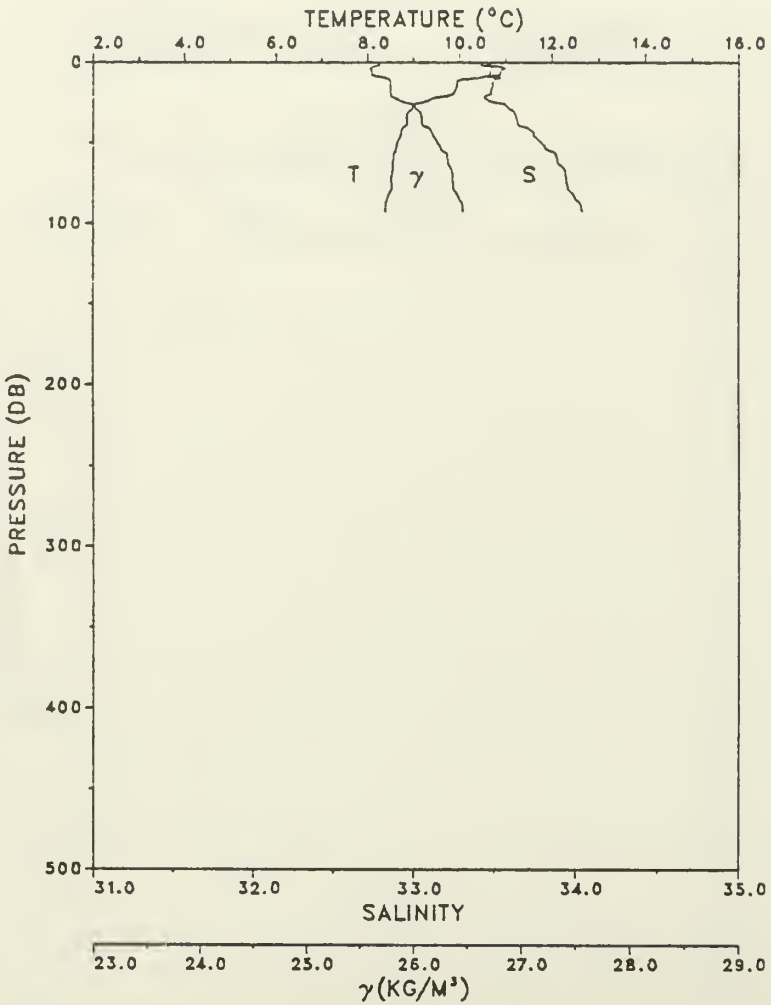

STATION: 59 LAT: 39 6.7 N LON: 123 51.8 W
DATE: 6/21/87 TIME: 0111Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.247 | 33.615 | 25.467 | 250.4 | 0.000 |
| 5 | 11.147 | 33.585 | 25.648 | 233.3 | 0.010 |
| 10 | 10.643 | 33.657 | 25.793 | 219.5 | 0.021 |
| 15 | 10.130 | 33.649 | 25.875 | 211.8 | 0.032 |
| 20 | 9.934 | 33.676 | 25.930 | 206.8 | 0.042 |
| 25 | 9.879 | 33.673 | 25.936 | 206.2 | 0.053 |
| 30 | 9.442 | 33.815 | 26.120 | 188.9 | 0.062 |
| 35 | 9.334 | 33.901 | 26.204 | 180.9 | 0.072 |
| 40 | 9.191 | 33.913 | 26.237 | 177.9 | 0.081 |
| 45 | 9.082 | 33.927 | 26.265 | 175.3 | 0.089 |
| 50 | 8.940 | 33.951 | 26.307 | 171.5 | 0.098 |
| 60 | 8.756 | 33.976 | 26.355 | 167.1 | 0.115 |
| 70 | 8.542 | 34.015 | 26.419 | 161.2 | 0.132 |
| 80 | 8.486 | 34.032 | 26.441 | 159.3 | 0.148 |
| 90 | 8.353 | 34.063 | 26.485 | 155.2 | 0.163 |
| 100 | 8.340 | 34.067 | 26.490 | 154.9 | 0.179 |
| 104 | 8.338 | 34.066 | 26.490 | 155.0 | 0.185 |



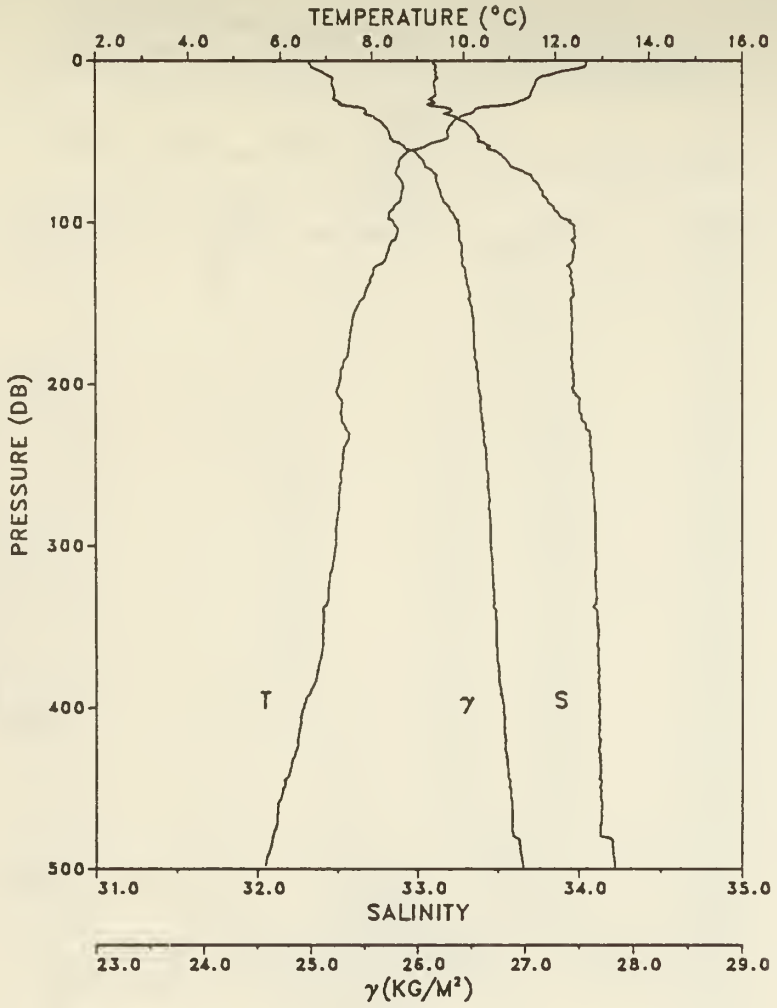

STATION: 60 LAT: 39 13.1 N LON: 123 51.7 W
DATE: 6/21/87 TIME: 0218Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.916 | 33.695 | 25.592 | 238.5 | 0.000 |
| 5 | 10.457 | 33.653 | 25.823 | 216.7 | 0.009 |
| 10 | 10.055 | 33.646 | 25.886 | 210.7 | 0.020 |
| 15 | 9.837 | 33.647 | 25.923 | 207.3 | 0.030 |
| 20 | 9.403 | 33.686 | 26.025 | 197.7 | 0.040 |
| 25 | 9.249 | 33.712 | 26.070 | 193.5 | 0.050 |
| 30 | 8.916 | 33.777 | 26.174 | 183.7 | 0.060 |
| 35 | 8.768 | 33.840 | 26.247 | 176.9 | 0.069 |
| 40 | 8.711 | 33.903 | 26.305 | 171.5 | 0.077 |
| 45 | 8.684 | 33.933 | 26.332 | 168.9 | 0.086 |
| 50 | 8.647 | 33.951 | 26.352 | 167.1 | 0.094 |
| 60 | 8.578 | 33.962 | 26.372 | 165.5 | 0.111 |
| 70 | 8.557 | 33.979 | 26.388 | 164.1 | 0.127 |
| 80 | 8.558 | 33.985 | 26.393 | 163.8 | 0.144 |
| 90 | 8.552 | 33.996 | 26.402 | 163.1 | 0.160 |
| 100 | 8.504 | 34.001 | 26.414 | 162.2 | 0.176 |
| 114 | 8.451 | 34.024 | 26.440 | 159.9 | 0.199 |



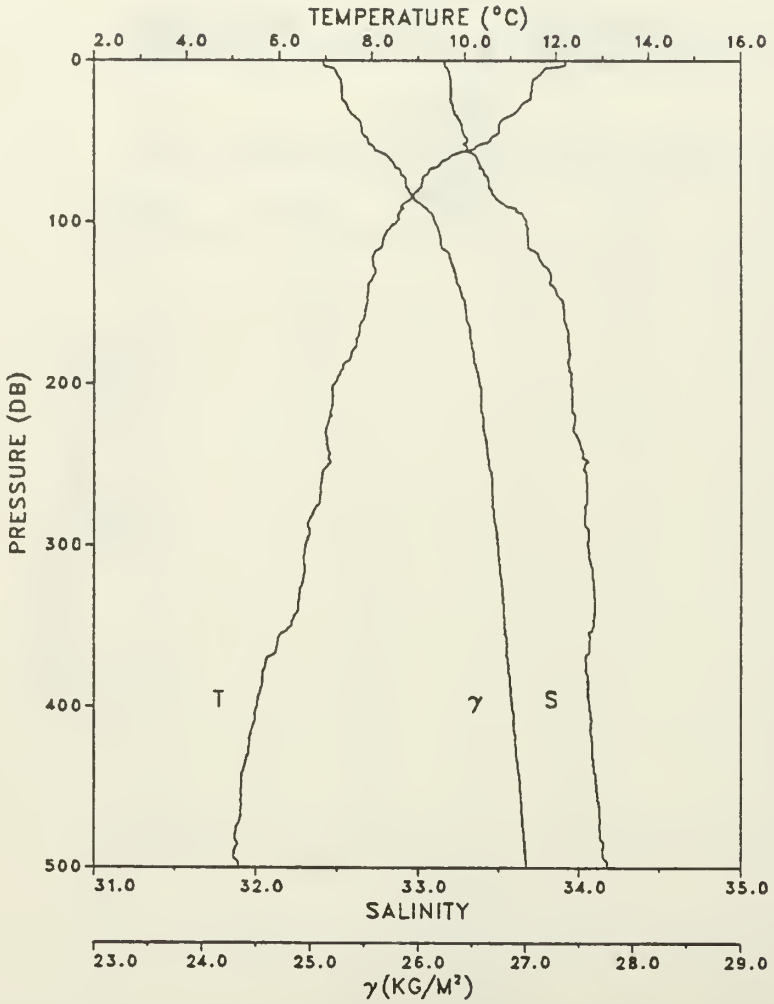

STATION: 61 LAT: 39 25.4 N LON: 123 52.2 W
DATE: 6/21/87 TIME: 0353Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 10.467 | 33.474 | 25.681 | 230.0 | 0.000 |
| 5 | 10.890 | 33.473 | 25.607 | 237.2 | 0.009 |
| 10 | 10.416 | 33.538 | 25.740 | 224.6 | 0.021 |
| 15 | 9.948 | 33.490 | 25.782 | 220.7 | 0.032 |
| 20 | 9.864 | 33.482 | 25.790 | 220.0 | 0.043 |
| 25 | 9.163 | 33.509 | 25.925 | 207.3 | 0.054 |
| 30 | 8.918 | 33.616 | 26.048 | 195.7 | 0.064 |
| 35 | 8.848 | 33.639 | 26.077 | 193.0 | 0.074 |
| 40 | 8.811 | 33.666 | 26.104 | 190.6 | 0.083 |
| 45 | 8.721 | 33.743 | 26.178 | 183.6 | 0.092 |
| 50 | 8.641 | 33.791 | 26.228 | 178.9 | 0.102 |
| 60 | 8.555 | 33.888 | 26.317 | 170.6 | 0.119 |
| 70 | 8.525 | 33.941 | 26.363 | 166.4 | 0.136 |
| 80 | 8.499 | 33.969 | 26.389 | 164.1 | 0.152 |
| 90 | 8.384 | 34.039 | 26.462 | 157.4 | 0.168 |
| 93 | 8.384 | 34.040 | 26.462 | 157.4 | 0.173 |



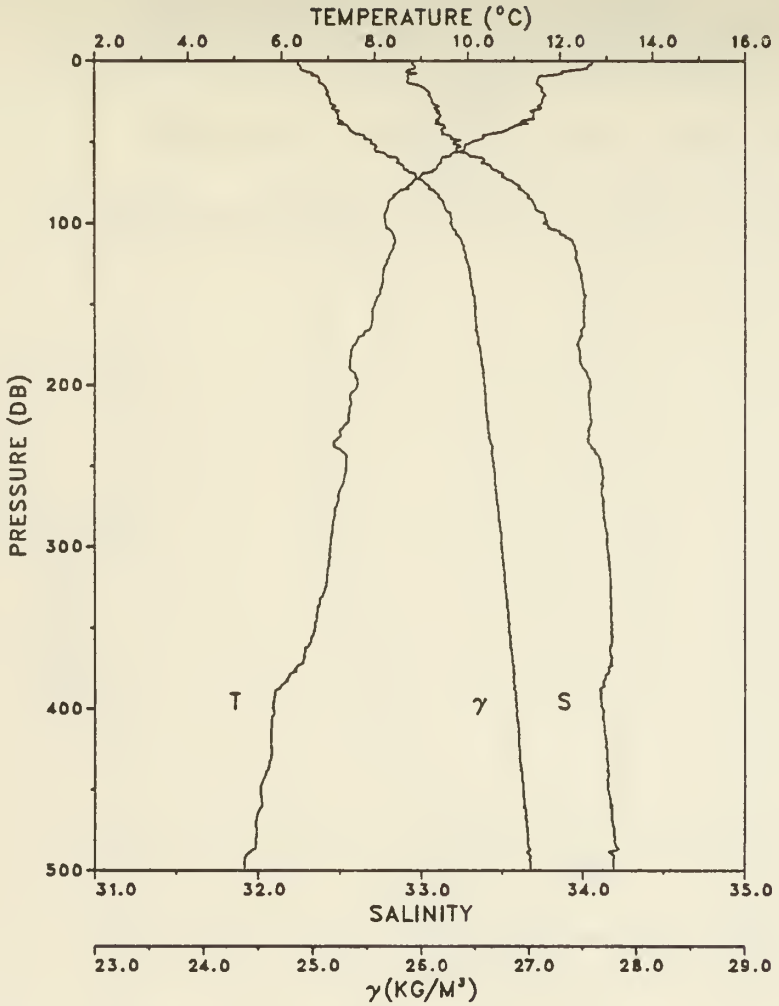

STATION: 62 LAT: 39 25.3 N LON: 124 0.6 W
DATE: 6/21/87 TIME: 0500Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.660 | 33.094 | 24.984 | 296.4 | 0.000 |
| 5 | 12.507 | 33.108 | 25.024 | 292.6 | 0.012 |
| 10 | 11.699 | 33.113 | 25.180 | 277.8 | 0.026 |
| 15 | 11.547 | 33.099 | 25.197 | 276.3 | 0.040 |
| 20 | 11.469 | 33.109 | 25.219 | 274.3 | 0.054 |
| 25 | 11.224 | 33.100 | 25.257 | 270.9 | 0.067 |
| 30 | 10.260 | 33.203 | 25.505 | 247.3 | 0.080 |
| 35 | 9.912 | 33.239 | 25.592 | 239.1 | 0.092 |
| 40 | 9.735 | 33.319 | 25.684 | 230.5 | 0.104 |
| 45 | 9.651 | 33.365 | 25.734 | 225.8 | 0.116 |
| 50 | 9.441 | 33.375 | 25.776 | 221.9 | 0.127 |
| 60 | 8.668 | 33.533 | 26.022 | 198.7 | 0.148 |
| 70 | 8.529 | 33.672 | 26.152 | 186.5 | 0.167 |
| 80 | 8.665 | 33.769 | 26.207 | 181.4 | 0.185 |
| 90 | 8.496 | 33.838 | 26.287 | 174.0 | 0.203 |
| 100 | 8.471 | 33.936 | 26.368 | 186.5 | 0.220 |
| 125 | 8.244 | 33.956 | 26.418 | 162.2 | 0.261 |
| 150 | 7.711 | 33.947 | 26.489 | 155.6 | 0.301 |
| 175 | 7.497 | 33.956 | 26.527 | 152.4 | 0.340 |
| 200 | 7.272 | 33.967 | 26.568 | 148.8 | 0.377 |
| 225 | 7.405 | 34.043 | 26.609 | 145.4 | 0.414 |
| 250 | 7.344 | 34.075 | 26.642 | 142.6 | 0.450 |
| 275 | 7.272 | 34.097 | 26.670 | 140.3 | 0.485 |
| 300 | 7.203 | 34.103 | 26.684 | 139.3 | 0.520 |
| 325 | 7.046 | 34.103 | 26.706 | 137.5 | 0.555 |
| 350 | 6.924 | 34.114 | 26.731 | 135.4 | 0.589 |
| 375 | 6.812 | 34.122 | 26.753 | 133.6 | 0.623 |
| 400 | 6.492 | 34.125 | 26.798 | 129.5 | 0.656 |
| 425 | 6.356 | 34.122 | 26.813 | 128.2 | 0.688 |
| 450 | 6.041 | 34.133 | 26.863 | 123.6 | 0.719 |
| 475 | 5.887 | 34.128 | 26.878 | 122.3 | 0.750 |
| 499 | 5.663 | 34.221 | 26.979 | 112.9 | 0.778 |



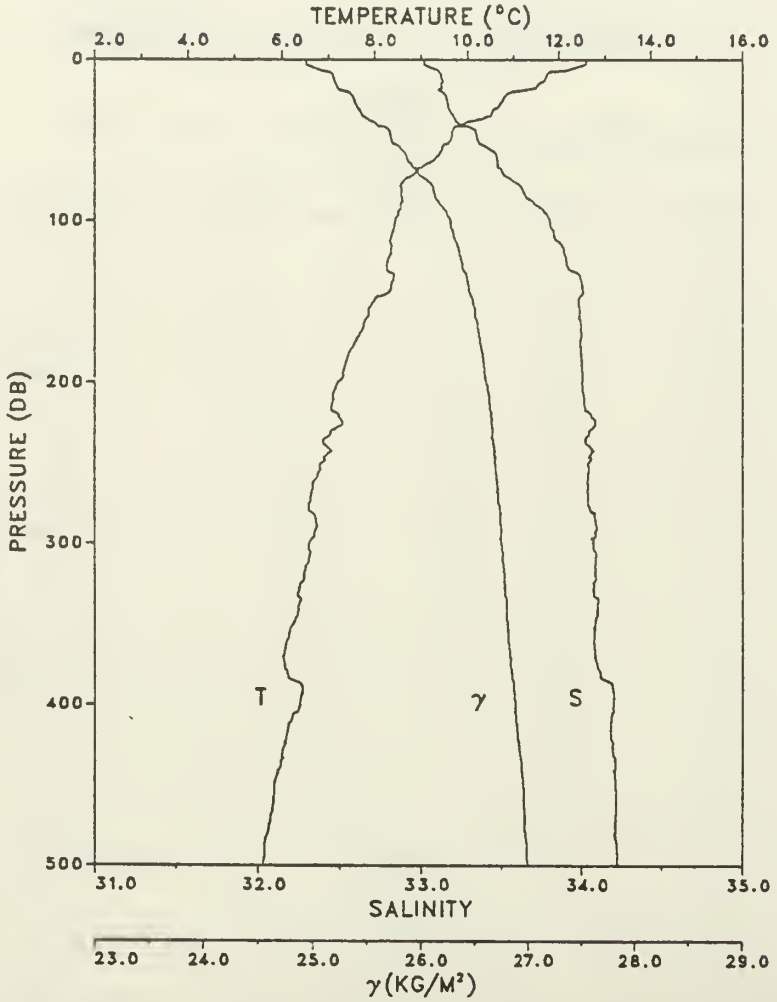

STATION: 63 LAT: 39 25.2 N LON: 124 9.1 W
DATE: 6/21/87 TIME: 0600Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.204 | 33.159 | 25.122 | 283.2 | 0.000 |
| 5 | 11.766 | 33.179 | 25.219 | 274.0 | 0.011 |
| 10 | 11.595 | 33.192 | 25.261 | 270.2 | 0.025 |
| 15 | 11.474 | 33.200 | 25.289 | 267.6 | 0.038 |
| 20 | 11.448 | 33.198 | 25.292 | 267.4 | 0.052 |
| 25 | 11.387 | 33.200 | 25.305 | 266.3 | 0.065 |
| 30 | 11.173 | 33.212 | 25.353 | 261.8 | 0.078 |
| 35 | 10.961 | 33.242 | 25.414 | 256.1 | 0.091 |
| 40 | 10.747 | 33.266 | 25.470 | 250.8 | 0.104 |
| 45 | 10.722 | 33.275 | 25.482 | 249.9 | 0.116 |
| 50 | 10.546 | 33.303 | 25.534 | 245.0 | 0.129 |
| 60 | 9.673 | 33.360 | 25.726 | 226.8 | 0.152 |
| 70 | 9.211 | 33.404 | 25.835 | 216.6 | 0.174 |
| 80 | 8.991 | 33.450 | 25.906 | 210.0 | 0.196 |
| 90 | 8.635 | 33.538 | 26.031 | 198.3 | 0.216 |
| 100 | 8.517 | 33.671 | 26.153 | 186.9 | 0.235 |
| 125 | 8.008 | 33.768 | 26.305 | 172.7 | 0.280 |
| 150 | 7.884 | 33.899 | 26.426 | 161.6 | 0.322 |
| 175 | 7.660 | 33.934 | 26.487 | 156.3 | 0.362 |
| 200 | 7.174 | 33.944 | 26.563 | 149.2 | 0.400 |
| 225 | 7.029 | 33.967 | 26.601 | 145.9 | 0.437 |
| 250 | 7.037 | 34.031 | 26.651 | 141.6 | 0.473 |
| 275 | 6.835 | 34.037 | 26.683 | 138.8 | 0.508 |
| 300 | 6.555 | 34.058 | 26.737 | 133.9 | 0.542 |
| 325 | 6.475 | 34.091 | 26.773 | 130.7 | 0.575 |
| 350 | 6.240 | 34.085 | 26.799 | 128.5 | 0.608 |
| 375 | 5.696 | 34.041 | 26.833 | 125.2 | 0.639 |
| 400 | 5.519 | 34.062 | 26.871 | 121.7 | 0.670 |
| 425 | 5.345 | 34.082 | 26.907 | 118.4 | 0.700 |
| 450 | 5.176 | 34.106 | 26.946 | 114.9 | 0.729 |
| 475 | 5.067 | 34.127 | 26.976 | 112.3 | 0.758 |
| 499 | 5.115 | 34.172 | 27.006 | 109.7 | 0.784 |



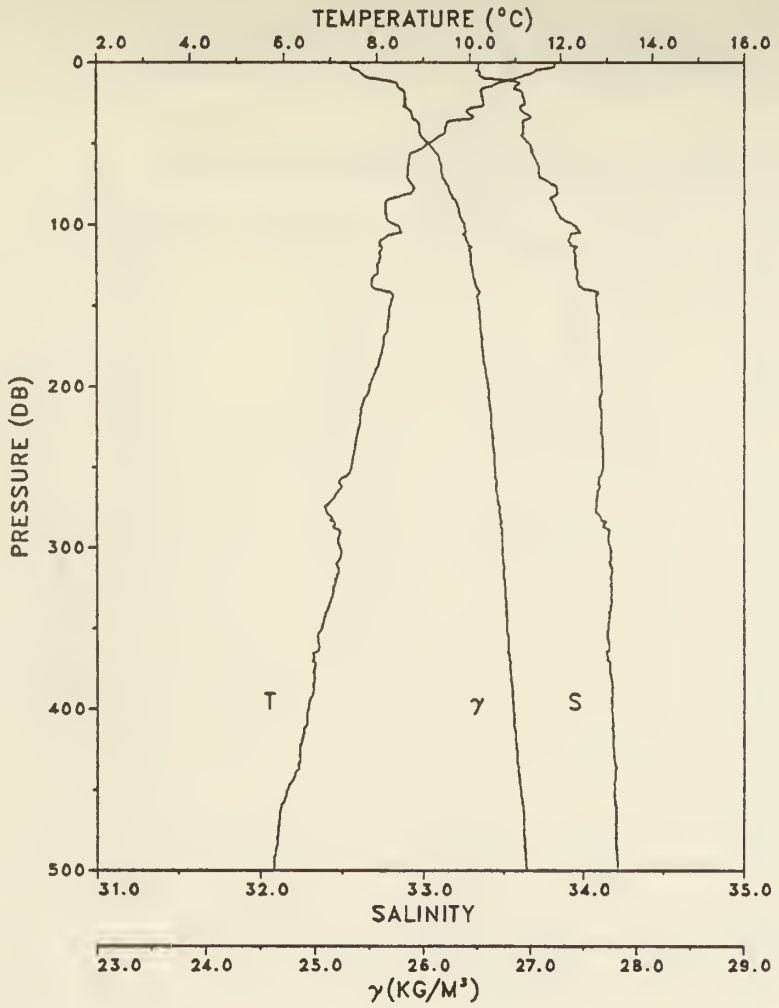

STATION: 641 LAT: 39 9.6 N LON: 124 4.9 W
DATE: 6/21/87 TIME: 0841Z

| | PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|---|
| * | 1 | 12.700 | 32.946 | 24.861 | 308.0 | 0.000 |
| | 5 | 12.601 | 32.958 | 24.890 | 305.4 | 0.012 |
| | 10 | 11.548 | 32.917 | 25.056 | 289.7 | 0.027 |
| | 15 | 11.513 | 32.967 | 25.101 | 285.5 | 0.042 |
| | 20 | 11.657 | 33.051 | 25.140 | 281.9 | 0.056 |
| | 25 | 11.612 | 33.061 | 25.156 | 280.5 | 0.070 |
| | 30 | 11.556 | 33.086 | 25.186 | 277.8 | 0.084 |
| | 35 | 11.411 | 33.110 | 25.231 | 273.6 | 0.098 |
| | 40 | 11.052 | 33.139 | 25.318 | 265.4 | 0.111 |
| | 45 | 10.524 | 33.127 | 25.401 | 257.5 | 0.124 |
| | 50 | 10.086 | 33.201 | 25.533 | 245.0 | 0.137 |
| | 60 | 9.435 | 33.379 | 25.780 | 221.7 | 0.160 |
| | 70 | 9.023 | 33.509 | 25.947 | 205.9 | 0.181 |
| | 80 | 8.530 | 33.631 | 26.119 | 189.7 | 0.201 |
| | 90 | 8.269 | 33.704 | 26.216 | 180.7 | 0.220 |
| | 100 | 8.223 | 33.754 | 26.262 | 176.4 | 0.237 |
| | 125 | 8.259 | 33.971 | 26.427 | 161.3 | 0.280 |
| | 150 | 7.997 | 34.007 | 26.495 | 155.2 | 0.319 |
| | 175 | 7.579 | 33.960 | 26.519 | 153.2 | 0.358 |
| | 200 | 7.620 | 34.048 | 26.582 | 147.6 | 0.395 |
| | 225 | 7.332 | 34.041 | 26.617 | 144.5 | 0.432 |
| | 250 | 7.383 | 34.115 | 26.668 | 140.1 | 0.468 |
| | 275 | 7.169 | 34.126 | 26.707 | 136.7 | 0.502 |
| | 300 | 7.044 | 34.151 | 26.744 | 133.5 | 0.536 |
| | 325 | 6.929 | 34.175 | 26.779 | 130.6 | 0.569 |
| | 350 | 6.703 | 34.178 | 26.812 | 127.6 | 0.601 |
| | 375 | 6.307 | 34.162 | 26.851 | 123.9 | 0.633 |
| | 400 | 5.817 | 34.120 | 26.880 | 121.1 | 0.663 |
| | 425 | 5.786 | 34.149 | 26.907 | 118.9 | 0.693 |
| | 450 | 5.547 | 34.155 | 26.941 | 115.7 | 0.723 |
| | 475 | 5.460 | 34.195 | 26.983 | 112.0 | 0.751 |
| | 499 | 5.203 | 34.190 | 27.010 | 109.5 | 0.778 |



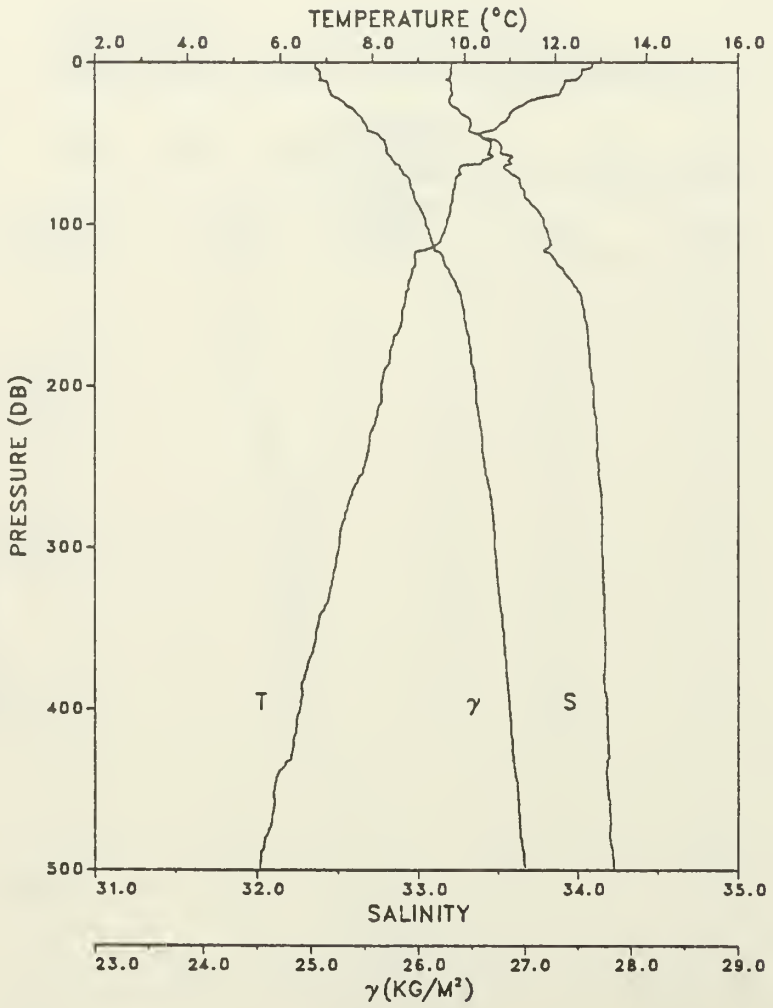

STATION: 65 LAT: 38 53.3 N LON: 124 1.1 W
DATE: 6/21/87 TIME: 1000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.594 | 33.015 | 24.935 | 301.0 | 0.000 |
| 5 | 12.397 | 33.055 | 25.004 | 294.5 | 0.012 |
| 10 | 11.722 | 33.123 | 25.184 | 277.5 | 0.026 |
| 15 | 11.568 | 33.121 | 25.211 | 275.1 | 0.040 |
| 20 | 10.946 | 33.130 | 25.330 | 263.8 | 0.053 |
| 25 | 10.757 | 33.160 | 25.386 | 258.5 | 0.067 |
| 30 | 10.632 | 33.167 | 25.413 | 256.1 | 0.079 |
| 35 | 10.507 | 33.201 | 25.462 | 251.6 | 0.092 |
| 40 | 9.917 | 33.232 | 25.586 | 239.8 | 0.104 |
| 45 | 9.668 | 33.337 | 25.709 | 228.2 | 0.116 |
| 50 | 9.626 | 33.350 | 25.726 | 226.7 | 0.127 |
| 60 | 9.345 | 33.464 | 25.861 | 214.0 | 0.150 |
| 70 | 8.869 | 33.502 | 25.966 | 204.1 | 0.170 |
| 80 | 8.563 | 33.624 | 26.109 | 190.7 | 0.190 |
| 90 | 8.552 | 33.706 | 26.175 | 184.6 | 0.209 |
| 100 | 8.433 | 33.799 | 26.266 | 176.1 | 0.227 |
| 125 | 8.264 | 33.903 | 26.373 | 166.4 | 0.270 |
| 150 | 7.955 | 33.978 | 26.478 | 156.8 | 0.310 |
| 175 | 7.563 | 33.989 | 26.544 | 150.8 | 0.349 |
| 200 | 7.197 | 33.998 | 26.602 | 145.5 | 0.386 |
| 225 | 7.292 | 34.081 | 26.654 | 141.0 | 0.421 |
| 250 | 6.840 | 34.038 | 26.683 | 138.5 | 0.456 |
| 275 | 6.582 | 34.039 | 26.718 | 135.3 | 0.491 |
| 300 | 6.580 | 34.070 | 26.743 | 133.3 | 0.524 |
| 325 | 6.392 | 34.078 | 26.774 | 130.6 | 0.557 |
| 350 | 6.232 | 34.082 | 26.798 | 128.6 | 0.590 |
| 375 | 6.053 | 34.095 | 26.831 | 125.6 | 0.621 |
| 400 | 6.377 | 34.198 | 26.871 | 122.5 | 0.652 |
| 425 | 6.054 | 34.190 | 26.906 | 119.2 | 0.683 |
| 450 | 5.841 | 34.211 | 26.949 | 115.3 | 0.712 |
| 475 | 5.728 | 34.210 | 26.962 | 114.2 | 0.741 |
| 499 | 5.593 | 34.223 | 26.989 | 111.8 | 0.768 |



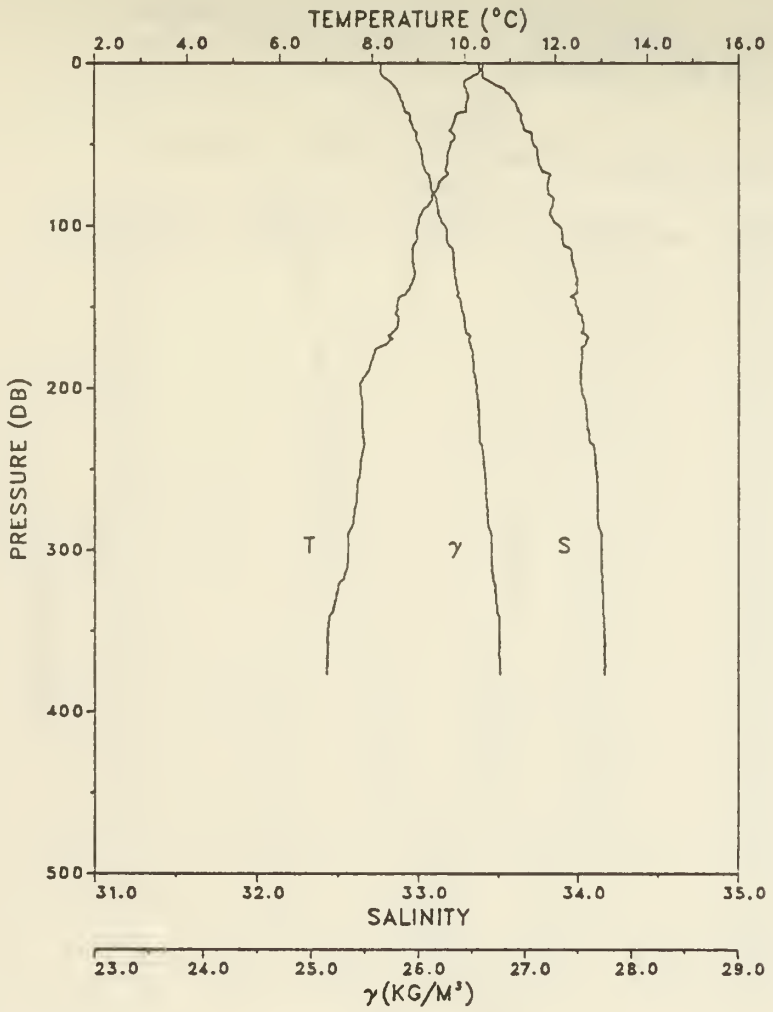

STATION: 66 LAT: 38 39.8 N LON: 123 50.7 W
DATE: 6/21/87 TIME: 1218Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.861 | 33.340 | 25.327 | 263.7 | 0.000 |
| 5 | 11.454 | 33.328 | 25.392 | 257.6 | 0.010 |
| 10 | 11.032 | 33.381 | 25.510 | 246.5 | 0.023 |
| 15 | 10.480 | 33.569 | 25.753 | 223.5 | 0.035 |
| 20 | 10.266 | 33.617 | 25.827 | 216.5 | 0.046 |
| 25 | 10.305 | 33.630 | 25.831 | 216.3 | 0.057 |
| 30 | 9.928 | 33.616 | 25.884 | 211.3 | 0.067 |
| 35 | 10.014 | 33.654 | 25.899 | 210.0 | 0.078 |
| 40 | 9.481 | 33.621 | 25.962 | 204.1 | 0.088 |
| 45 | 9.397 | 33.613 | 25.969 | 203.5 | 0.098 |
| 50 | 9.101 | 33.658 | 26.052 | 195.7 | 0.108 |
| 60 | 8.688 | 33.697 | 26.147 | 186.8 | 0.127 |
| 70 | 8.655 | 33.722 | 26.172 | 184.6 | 0.146 |
| 80 | 8.742 | 33.834 | 26.246 | 177.8 | 0.164 |
| 90 | 8.179 | 33.826 | 26.326 | 170.3 | 0.182 |
| 100 | 8.386 | 33.935 | 26.380 | 165.4 | 0.198 |
| 125 | 8.003 | 33.949 | 26.448 | 159.2 | 0.239 |
| 150 | 8.264 | 34.077 | 26.510 | 153.9 | 0.278 |
| 175 | 8.126 | 34.095 | 26.545 | 151.0 | 0.316 |
| 200 | 7.822 | 34.112 | 26.603 | 145.7 | 0.353 |
| 225 | 7.602 | 34.108 | 26.632 | 143.3 | 0.389 |
| 250 | 7.449 | 34.121 | 26.664 | 140.6 | 0.425 |
| 275 | 6.891 | 34.078 | 26.708 | 136.5 | 0.459 |
| 300 | 7.211 | 34.172 | 26.737 | 134.3 | 0.493 |
| 325 | 7.059 | 34.174 | 26.760 | 132.4 | 0.527 |
| 350 | 6.803 | 34.153 | 26.779 | 130.8 | 0.560 |
| 375 | 6.641 | 34.163 | 26.808 | 128.3 | 0.592 |
| 400 | 6.511 | 34.176 | 26.836 | 125.9 | 0.624 |
| 425 | 6.334 | 34.189 | 26.869 | 123.0 | 0.655 |
| 450 | 6.063 | 34.193 | 26.907 | 119.4 | 0.685 |
| 475 | 5.877 | 34.205 | 26.940 | 116.5 | 0.715 |
| 499 | 5.783 | 34.215 | 26.960 | 114.8 | 0.742 |



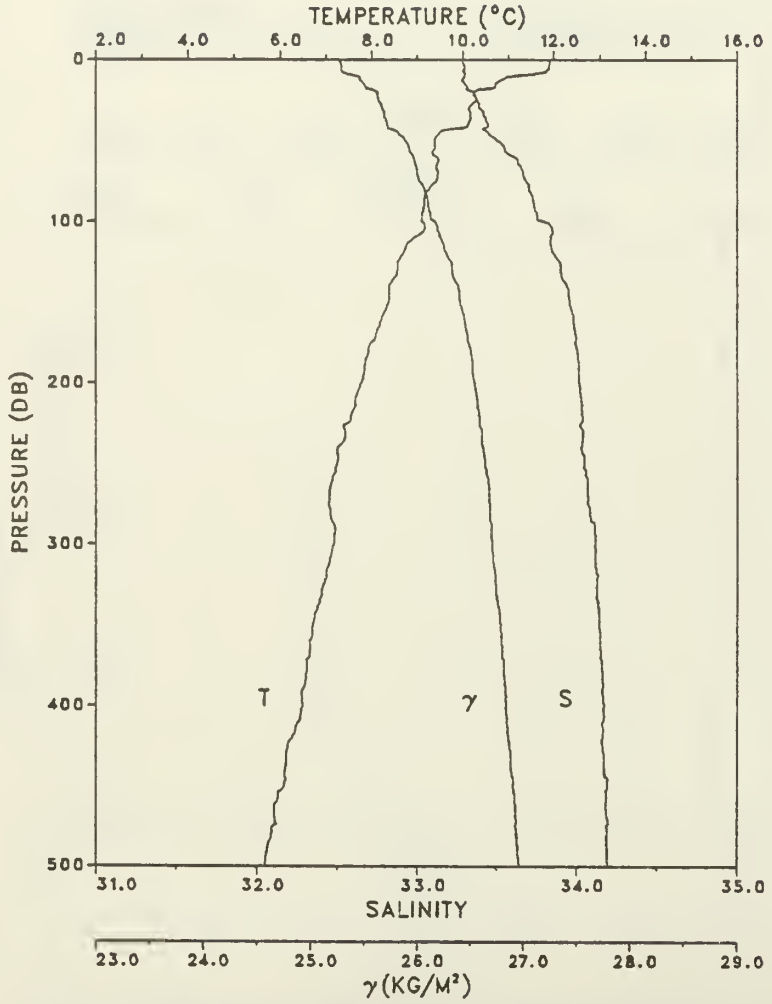

STATION: 67 LAT: 38 26.2 N LON: 123 39.2 W
DATE: 6/21/87 TIME: 1400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 2 | 12.811 | 33.204 | 25.039 | 291.1 | 0.000 |
| 5 | 12.588 | 33.200 | 25.080 | 287.3 | 0.009 |
| 10 | 12.508 | 33.200 | 25.095 | 285.9 | 0.023 |
| 15 | 12.168 | 33.202 | 25.162 | 279.7 | 0.037 |
| 20 | 12.060 | 33.207 | 25.186 | 277.5 | 0.051 |
| 25 | 11.338 | 33.196 | 25.311 | 265.7 | 0.065 |
| 30 | 11.046 | 33.254 | 25.408 | 256.6 | 0.078 |
| 35 | 10.936 | 33.317 | 25.477 | 250.1 | 0.090 |
| 40 | 10.723 | 33.319 | 25.516 | 246.5 | 0.103 |
| 45 | 10.321 | 33.374 | 25.628 | 235.9 | 0.115 |
| 50 | 10.578 | 33.502 | 25.684 | 230.8 | 0.127 |
| 60 | 10.519 | 33.568 | 25.746 | 225.1 | 0.149 |
| 70 | 9.838 | 33.601 | 25.887 | 211.8 | 0.171 |
| 80 | 9.741 | 33.660 | 25.949 | 206.1 | 0.192 |
| 90 | 9.678 | 33.727 | 26.012 | 200.3 | 0.212 |
| 100 | 9.609 | 33.782 | 26.066 | 195.3 | 0.232 |
| 125 | 8.918 | 33.869 | 26.246 | 178.6 | 0.279 |
| 150 | 8.680 | 34.027 | 26.407 | 163.8 | 0.322 |
| 175 | 8.413 | 34.064 | 26.477 | 157.5 | 0.362 |
| 200 | 8.184 | 34.095 | 26.536 | 152.2 | 0.401 |
| 225 | 8.020 | 34.114 | 26.575 | 148.9 | 0.438 |
| 250 | 7.804 | 34.126 | 26.617 | 145.3 | 0.475 |
| 275 | 7.448 | 34.148 | 26.685 | 139.0 | 0.510 |
| 300 | 7.267 | 34.151 | 26.713 | 136.6 | 0.545 |
| 325 | 7.075 | 34.162 | 26.748 | 133.5 | 0.579 |
| 350 | 6.786 | 34.169 | 26.793 | 129.4 | 0.612 |
| 375 | 6.566 | 34.164 | 26.819 | 127.2 | 0.644 |
| 400 | 6.414 | 34.180 | 26.852 | 124.3 | 0.675 |
| 425 | 6.271 | 34.192 | 26.880 | 121.9 | 0.706 |
| 450 | 5.862 | 34.185 | 26.926 | 117.5 | 0.736 |
| 475 | 5.755 | 34.202 | 26.953 | 115.1 | 0.765 |
| 499 | 5.562 | 34.224 | 26.994 | 111.4 | 0.792 |



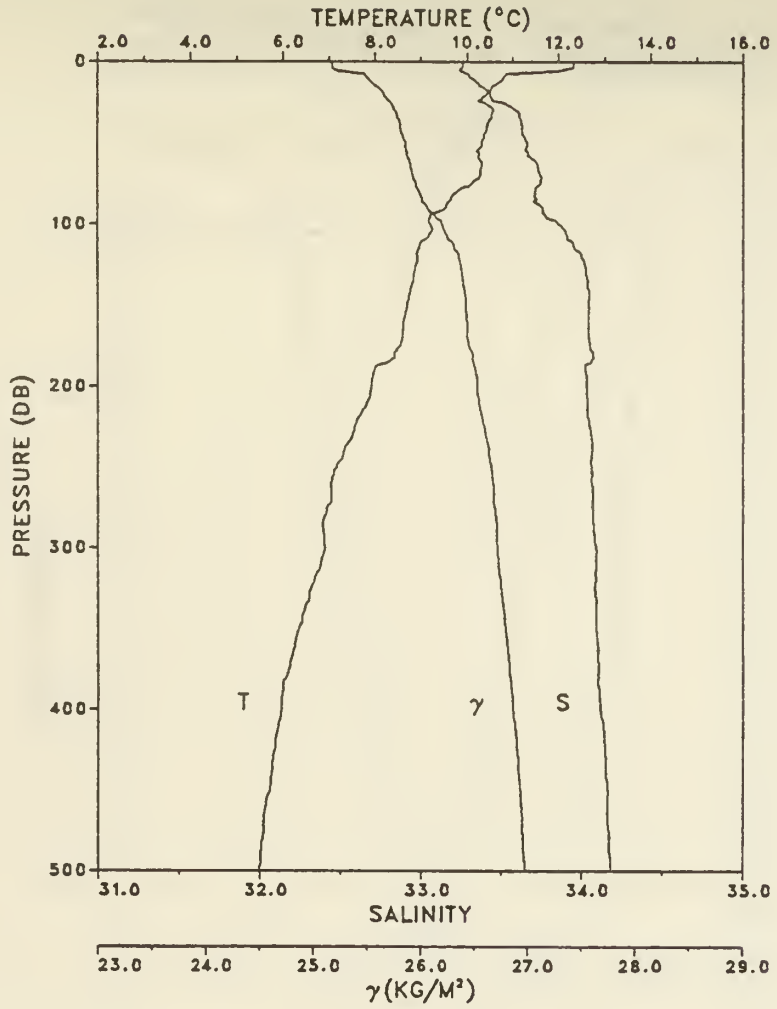

STATION: 68 LAT: 38 18.1 N LON: 123 32.3 W
DATE: 6/21/87 TIME: 1653Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 10.317 | 33.398 | 25.648 | 233.2 | 0.000 |
| 5 | 10.337 | 33.398 | 25.644 | 233.6 | 0.009 |
| 10 | 10.067 | 33.416 | 25.704 | 228.0 | 0.021 |
| 15 | 10.002 | 33.508 | 25.787 | 220.2 | 0.032 |
| 20 | 10.074 | 33.571 | 25.824 | 216.8 | 0.043 |
| 25 | 10.042 | 33.610 | 25.860 | 213.5 | 0.054 |
| 30 | 10.035 | 33.624 | 25.872 | 212.4 | 0.064 |
| 35 | 9.790 | 33.642 | 25.927 | 207.3 | 0.075 |
| 40 | 9.730 | 33.659 | 25.950 | 205.2 | 0.085 |
| 45 | 9.774 | 33.707 | 25.981 | 202.4 | 0.095 |
| 50 | 9.695 | 33.721 | 26.005 | 200.2 | 0.105 |
| 60 | 9.624 | 33.750 | 26.039 | 197.1 | 0.125 |
| 70 | 9.569 | 33.819 | 26.102 | 191.4 | 0.145 |
| 80 | 9.345 | 33.813 | 26.134 | 188.5 | 0.164 |
| 90 | 9.119 | 33.827 | 26.181 | 184.2 | 0.182 |
| 100 | 8.980 | 33.881 | 26.245 | 178.2 | 0.201 |
| 125 | 8.897 | 33.974 | 26.331 | 170.5 | 0.244 |
| 150 | 8.528 | 33.992 | 26.403 | 164.1 | 0.286 |
| 175 | 8.129 | 34.020 | 26.485 | 156.6 | 0.326 |
| 200 | 7.734 | 34.021 | 26.544 | 151.3 | 0.364 |
| 225 | 7.785 | 34.063 | 26.570 | 149.3 | 0.402 |
| 250 | 7.728 | 34.113 | 26.617 | 145.1 | 0.439 |
| 275 | 7.603 | 34.124 | 26.644 | 142.9 | 0.475 |
| 300 | 7.462 | 34.146 | 26.682 | 139.7 | 0.510 |
| 325 | 7.237 | 34.152 | 26.718 | 136.5 | 0.545 |
| 350 | 7.028 | 34.162 | 26.755 | 133.2 | 0.578 |
| 375 | 7.000 | 34.166 | 26.762 | 132.9 | 0.612 |
| 377 | 7.001 | 34.166 | 26.762 | 133.0 | 0.614 |



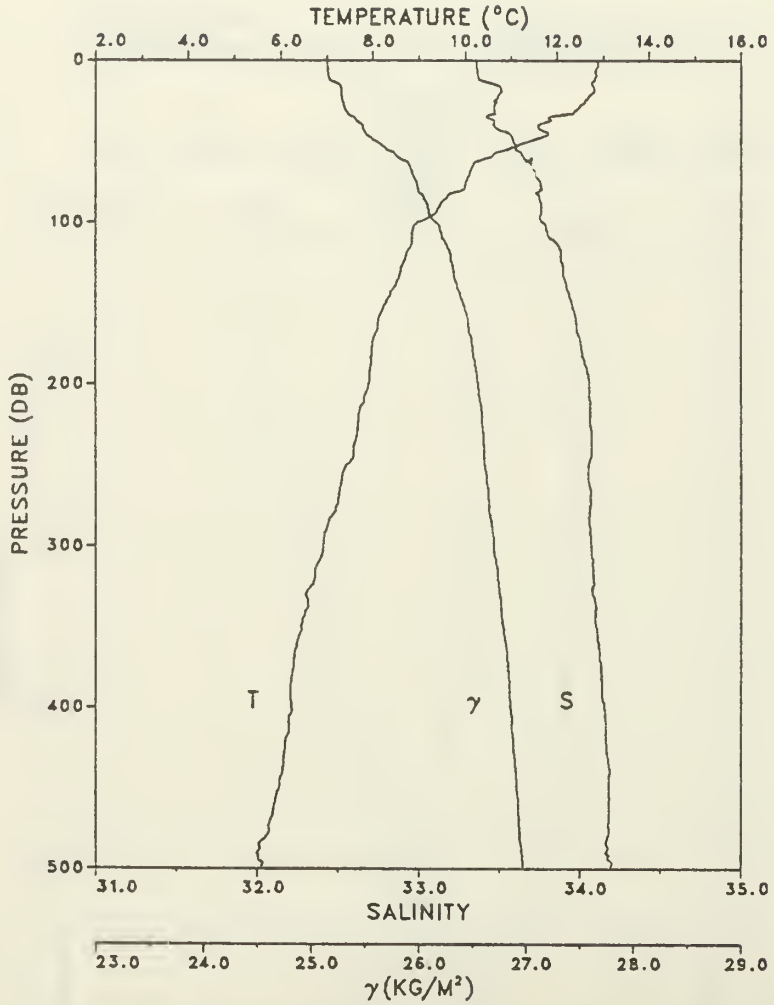

STATION: 69 LAT: 38 14.7 N LON: 123 39.3 W
DATE: 6/21/87 TIME: 1700Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 2 | 11.912 | 33.281 | 25.271 | 269.0 | 0.000 |
| 5 | 11.889 | 33.295 | 25.286 | 267.6 | 0.008 |
| 10 | 11.246 | 33.299 | 25.407 | 256.2 | 0.021 |
| 15 | 10.710 | 33.296 | 25.500 | 247.5 | 0.034 |
| 20 | 10.237 | 33.355 | 25.628 | 235.4 | 0.046 |
| 25 | 10.314 | 33.381 | 25.635 | 234.9 | 0.058 |
| 30 | 10.123 | 33.389 | 25.674 | 231.3 | 0.069 |
| 35 | 10.164 | 33.417 | 25.689 | 230.0 | 0.081 |
| 40 | 10.116 | 33.444 | 25.718 | 227.3 | 0.092 |
| 45 | 9.498 | 33.445 | 25.821 | 217.5 | 0.103 |
| 50 | 9.368 | 33.503 | 25.888 | 211.3 | 0.114 |
| 60 | 9.402 | 33.601 | 25.959 | 204.7 | 0.135 |
| 70 | 9.459 | 33.666 | 26.000 | 201.0 | 0.155 |
| 80 | 9.269 | 33.705 | 26.062 | 195.3 | 0.175 |
| 90 | 9.142 | 33.732 | 26.103 | 191.6 | 0.194 |
| 100 | 9.094 | 33.798 | 26.162 | 186.1 | 0.213 |
| 125 | 8.572 | 33.895 | 26.320 | 171.5 | 0.258 |
| 150 | 8.364 | 33.956 | 26.400 | 164.3 | 0.300 |
| 175 | 7.994 | 33.990 | 26.482 | 156.9 | 0.340 |
| 200 | 7.750 | 34.016 | 26.538 | 151.9 | 0.379 |
| 225 | 7.478 | 34.025 | 26.584 | 147.8 | 0.416 |
| 250 | 7.238 | 34.046 | 26.635 | 143.3 | 0.452 |
| 275 | 7.057 | 34.072 | 26.680 | 139.2 | 0.488 |
| 300 | 7.166 | 34.116 | 26.700 | 137.8 | 0.522 |
| 325 | 6.939 | 34.125 | 26.738 | 134.4 | 0.556 |
| 350 | 6.707 | 34.141 | 26.782 | 130.4 | 0.589 |
| 375 | 6.579 | 34.156 | 26.811 | 128.0 | 0.622 |
| 400 | 6.484 | 34.169 | 26.834 | 126.1 | 0.654 |
| 425 | 6.162 | 34.158 | 26.867 | 123.0 | 0.685 |
| 450 | 6.076 | 34.190 | 26.903 | 119.8 | 0.715 |
| 475 | 5.844 | 34.183 | 26.927 | 117.7 | 0.745 |
| 499 | 5.660 | 34.195 | 26.959 | 114.8 | 0.773 |



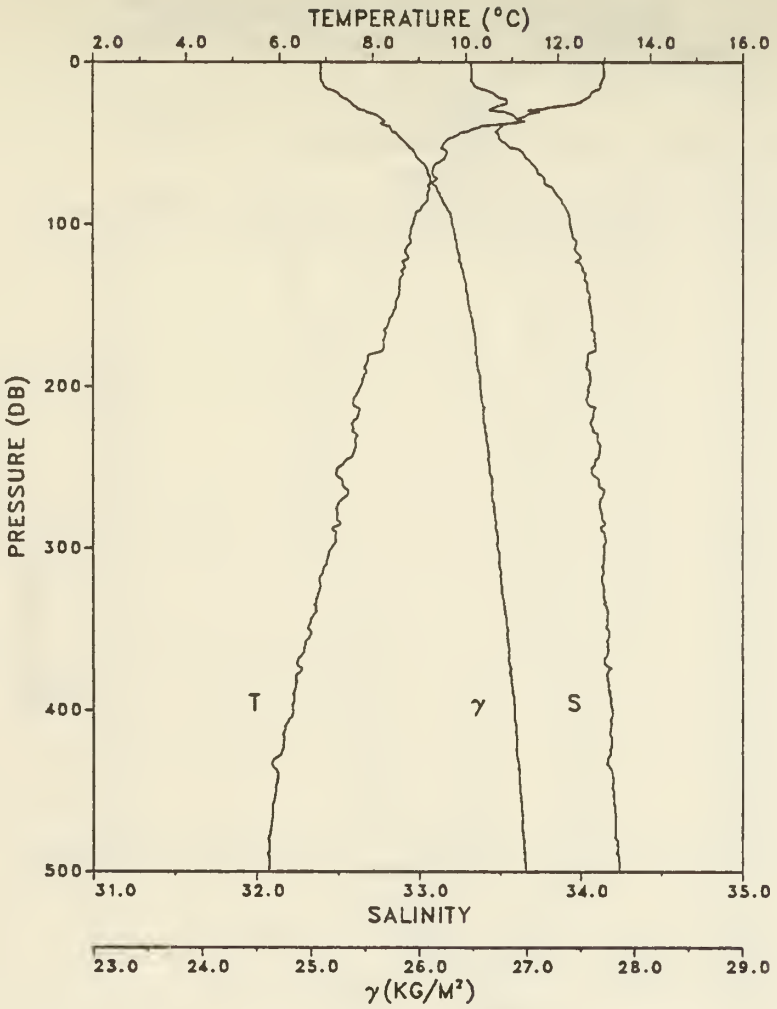

STATION: 70 LAT: 38 11.3 N LON: 123 46.3 W
DATE: 6/21/87 TIME: 1800Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.323 | 33.257 | 25.175 | 278.2 | 0.000 |
| 5 | 12.153 | 33.240 | 25.194 | 276.4 | 0.011 |
| 10 | 10.800 | 33.308 | 25.494 | 248.0 | 0.024 |
| 15 | 10.595 | 33.359 | 25.569 | 240.9 | 0.036 |
| 20 | 10.430 | 33.429 | 25.653 | 233.1 | 0.048 |
| 25 | 10.357 | 33.501 | 25.721 | 226.7 | 0.060 |
| 30 | 10.586 | 33.593 | 25.753 | 223.7 | 0.071 |
| 35 | 10.537 | 33.617 | 25.781 | 221.3 | 0.082 |
| 40 | 10.441 | 33.629 | 25.807 | 218.9 | 0.093 |
| 45 | 10.371 | 33.636 | 25.824 | 217.3 | 0.104 |
| 50 | 10.329 | 33.666 | 25.855 | 214.5 | 0.115 |
| 60 | 10.279 | 33.693 | 25.884 | 211.9 | 0.136 |
| 70 | 10.289 | 33.743 | 25.922 | 208.6 | 0.157 |
| 80 | 9.784 | 33.711 | 25.982 | 203.0 | 0.178 |
| 90 | 9.537 | 33.756 | 26.058 | 195.9 | 0.198 |
| 100 | 9.192 | 33.857 | 26.193 | 183.2 | 0.217 |
| 125 | 8.889 | 34.022 | 26.370 | 166.8 | 0.260 |
| 150 | 8.700 | 34.044 | 26.417 | 162.8 | 0.302 |
| 175 | 8.552 | 34.051 | 26.445 | 160.5 | 0.342 |
| 200 | 7.923 | 34.031 | 26.524 | 153.2 | 0.381 |
| 225 | 7.558 | 34.054 | 26.596 | 146.7 | 0.419 |
| 250 | 7.169 | 34.063 | 26.658 | 141.0 | 0.455 |
| 275 | 6.950 | 34.070 | 26.693 | 137.9 | 0.490 |
| 300 | 6.911 | 34.093 | 26.717 | 136.0 | 0.524 |
| 325 | 6.600 | 34.084 | 26.751 | 132.9 | 0.557 |
| 350 | 6.348 | 34.092 | 26.791 | 129.3 | 0.590 |
| 375 | 6.134 | 34.104 | 26.828 | 126.0 | 0.622 |
| 400 | 5.965 | 34.117 | 26.859 | 123.2 | 0.653 |
| 425 | 5.817 | 34.144 | 26.899 | 119.6 | 0.684 |
| 450 | 5.709 | 34.164 | 26.928 | 117.1 | 0.713 |
| 475 | 5.576 | 34.170 | 26.949 | 115.3 | 0.742 |
| 499 | 5.470 | 34.178 | 26.969 | 113.6 | 0.770 |



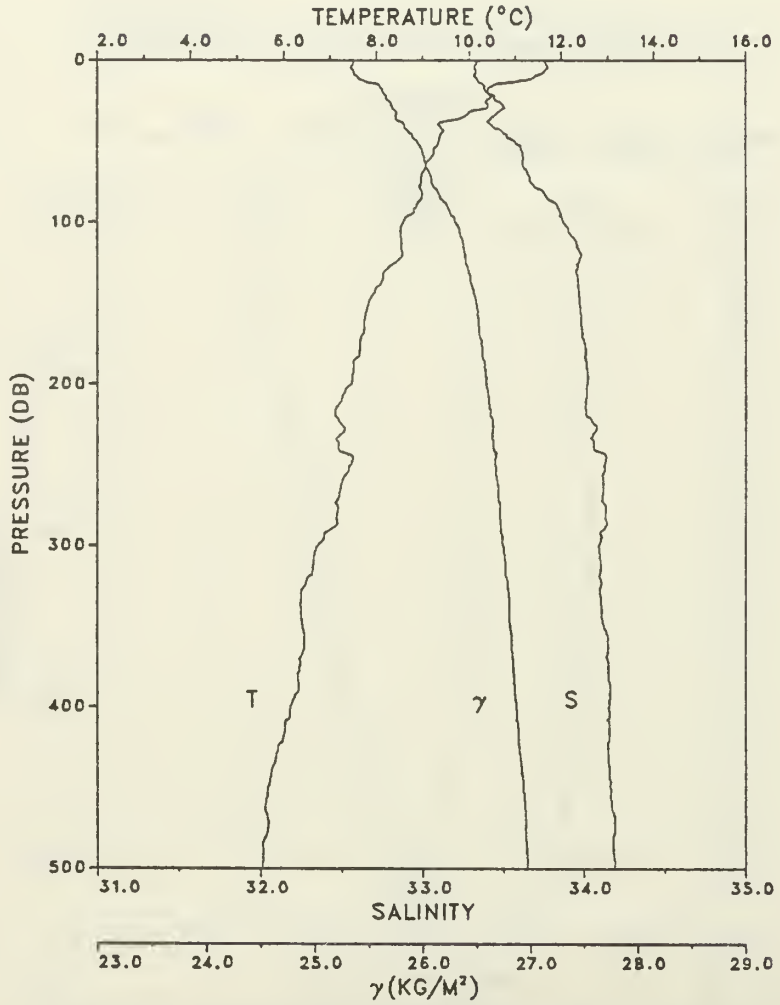

STATION: 71 LAT: 38 18.2 N LON: 123 51.4 W
DATE: 6/21/87 TIME: 1900Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.882 | 33.356 | 25.143 | 281.2 | 0.000 |
| 5 | 12.856 | 33.358 | 25.150 | 280.6 | 0.011 |
| 10 | 12.830 | 33.364 | 25.160 | 279.8 | 0.025 |
| 15 | 12.751 | 33.468 | 25.256 | 270.8 | 0.039 |
| 20 | 12.791 | 33.507 | 25.278 | 268.8 | 0.053 |
| 25 | 12.603 | 33.464 | 25.281 | 268.6 | 0.066 |
| 30 | 12.446 | 33.468 | 25.315 | 265.5 | 0.079 |
| 35 | 11.847 | 33.414 | 25.387 | 258.8 | 0.092 |
| 40 | 11.584 | 33.463 | 25.473 | 250.6 | 0.105 |
| 45 | 11.808 | 33.555 | 25.503 | 247.9 | 0.118 |
| 50 | 11.402 | 33.588 | 25.604 | 238.4 | 0.130 |
| 60 | 10.552 | 33.648 | 25.802 | 219.7 | 0.153 |
| 70 | 10.090 | 33.717 | 25.935 | 207.2 | 0.174 |
| 80 | 9.955 | 33.757 | 25.989 | 202.3 | 0.194 |
| 90 | 9.438 | 33.759 | 26.076 | 194.1 | 0.214 |
| 100 | 8.964 | 33.770 | 26.161 | 186.2 | 0.233 |
| 125 | 8.644 | 33.888 | 26.303 | 173.1 | 0.278 |
| 150 | 8.269 | 33.947 | 26.407 | 163.6 | 0.320 |
| 175 | 7.997 | 34.005 | 26.493 | 155.8 | 0.360 |
| 200 | 7.911 | 34.059 | 26.548 | 150.9 | 0.399 |
| 225 | 7.665 | 34.063 | 26.587 | 147.6 | 0.436 |
| 250 | 7.411 | 34.052 | 26.615 | 145.2 | 0.472 |
| 275 | 7.216 | 34.062 | 26.650 | 142.1 | 0.508 |
| 300 | 6.922 | 34.069 | 26.696 | 138.0 | 0.543 |
| 325 | 6.642 | 34.077 | 26.740 | 134.0 | 0.577 |
| 350 | 6.437 | 34.100 | 26.785 | 129.9 | 0.610 |
| 375 | 6.275 | 34.131 | 26.831 | 125.8 | 0.642 |
| 400 | 6.236 | 34.151 | 26.852 | 124.2 | 0.674 |
| 425 | 6.093 | 34.164 | 26.880 | 121.7 | 0.704 |
| 450 | 5.960 | 34.182 | 26.911 | 118.9 | 0.734 |
| 475 | 5.744 | 34.182 | 26.958 | 116.5 | 0.764 |
| 499 | 5.585 | 34.190 | 26.964 | 114.2 | 0.792 |



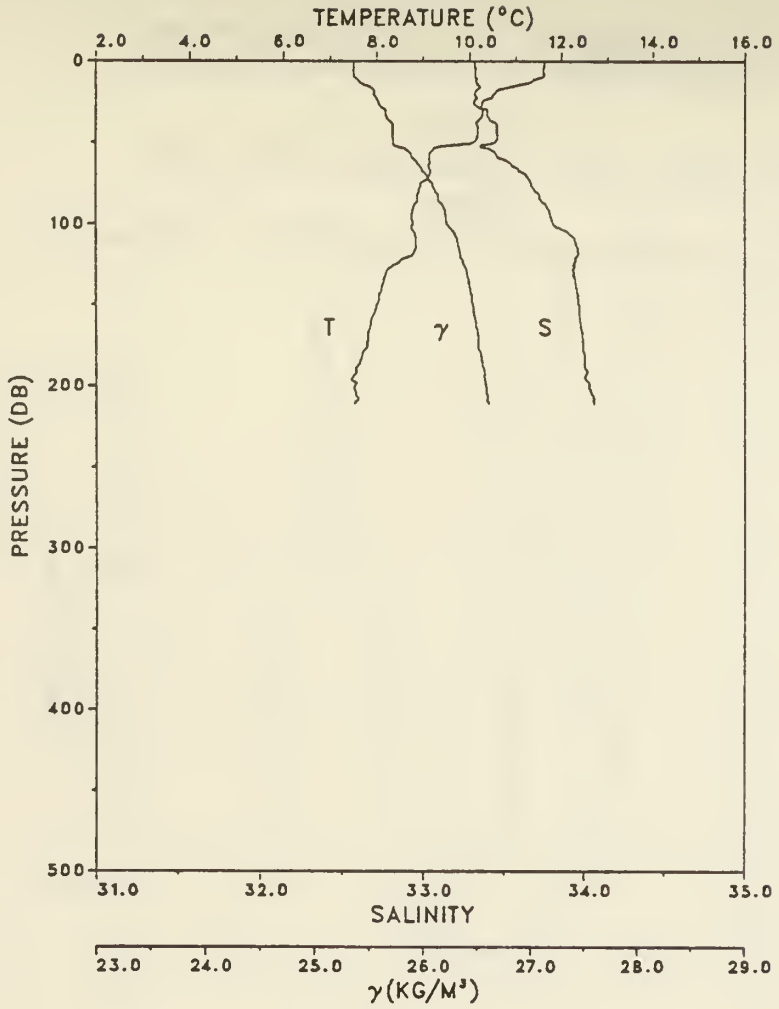

STATION: 72 LAT: 38 25.3 N LON: 123 55.1 W
DATE: 6/21/87 TIME: 2100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.973 | 33.317 | 25.095 | 285.7 | 0.000 |
| 5 | 12.998 | 33.320 | 25.093 | 286.1 | 0.011 |
| 10 | 12.985 | 33.321 | 25.096 | 285.9 | 0.026 |
| 15 | 12.915 | 33.338 | 25.123 | 283.4 | 0.040 |
| 20 | 12.702 | 33.464 | 25.262 | 270.3 | 0.054 |
| 25 | 12.462 | 33.542 | 25.369 | 260.2 | 0.067 |
| 30 | 11.336 | 33.436 | 25.498 | 248.1 | 0.080 |
| 35 | 11.139 | 33.592 | 25.655 | 233.3 | 0.092 |
| 40 | 10.332 | 33.513 | 25.735 | 225.7 | 0.103 |
| 45 | 9.843 | 33.489 | 25.799 | 219.7 | 0.114 |
| 50 | 9.528 | 33.530 | 25.883 | 211.8 | 0.125 |
| 60 | 9.538 | 33.669 | 25.990 | 201.8 | 0.146 |
| 70 | 9.303 | 33.752 | 26.093 | 192.2 | 0.166 |
| 80 | 9.185 | 33.832 | 26.174 | 184.6 | 0.184 |
| 90 | 9.046 | 33.904 | 26.253 | 177.3 | 0.203 |
| 100 | 8.857 | 33.929 | 26.302 | 172.8 | 0.220 |
| 125 | 8.685 | 34.000 | 26.385 | 165.4 | 0.262 |
| 150 | 8.495 | 34.056 | 26.458 | 158.8 | 0.303 |
| 175 | 8.231 | 34.091 | 26.526 | 152.8 | 0.342 |
| 200 | 7.728 | 34.048 | 26.566 | 149.2 | 0.380 |
| 225 | 7.576 | 34.070 | 26.606 | 145.8 | 0.416 |
| 250 | 7.268 | 34.069 | 26.648 | 142.0 | 0.452 |
| 275 | 7.208 | 34.119 | 26.696 | 137.8 | 0.487 |
| 300 | 7.099 | 34.141 | 26.729 | 135.0 | 0.521 |
| 325 | 6.857 | 34.139 | 26.760 | 132.3 | 0.555 |
| 350 | 6.605 | 34.172 | 26.820 | 126.8 | 0.587 |
| 375 | 6.472 | 34.174 | 26.839 | 125.2 | 0.619 |
| 400 | 6.274 | 34.193 | 26.880 | 121.5 | 0.650 |
| 425 | 6.035 | 34.184 | 26.904 | 119.4 | 0.680 |
| 450 | 5.911 | 34.202 | 26.933 | 116.8 | 0.709 |
| 475 | 5.792 | 34.214 | 26.958 | 114.7 | 0.738 |
| 499 | 5.760 | 34.238 | 26.981 | 112.8 | 0.765 |



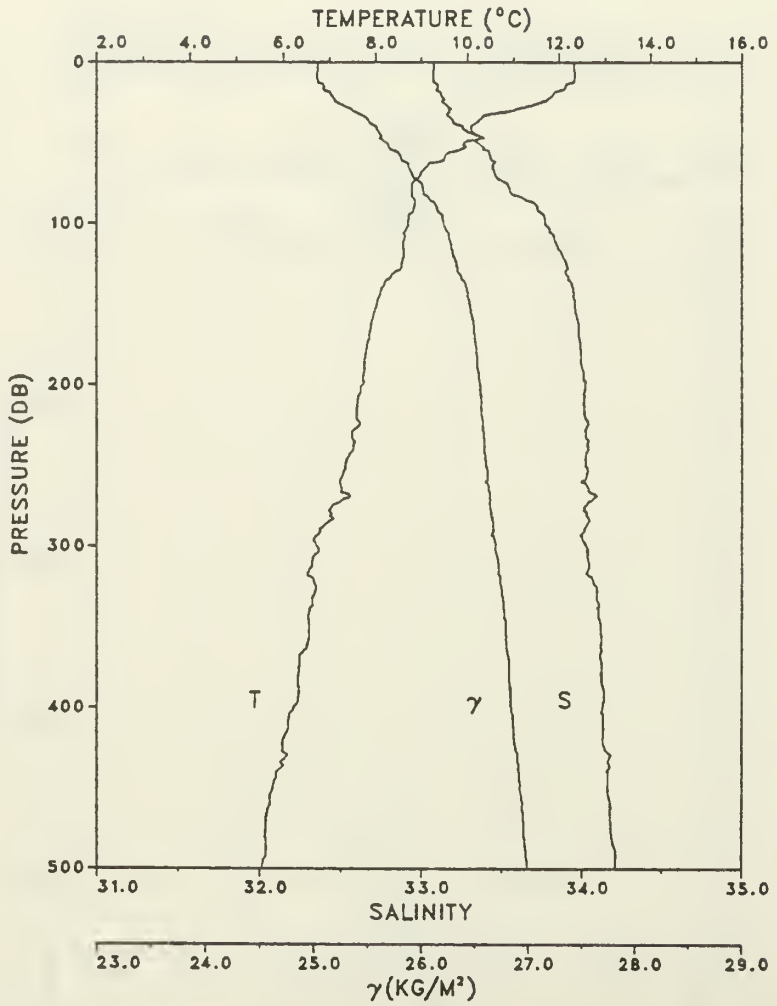

STATION: 73 LAT: 38 32.1 N LON: 124 0.0 W
DATE: 6/21/87 TIME: 2200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.653 | 33.331 | 25.358 | 260.7 | 0.000 |
| 5 | 11.702 | 33.316 | 25.337 | 262.8 | 0.010 |
| 10 | 11.422 | 33.319 | 25.391 | 257.8 | 0.023 |
| 15 | 10.604 | 33.372 | 25.578 | 240.1 | 0.036 |
| 20 | 10.408 | 33.391 | 25.627 | 235.6 | 0.048 |
| 25 | 10.373 | 33.448 | 25.677 | 230.9 | 0.059 |
| 30 | 10.358 | 33.502 | 25.722 | 226.7 | 0.071 |
| 35 | 9.904 | 33.435 | 25.746 | 224.5 | 0.082 |
| 40 | 9.326 | 33.418 | 25.828 | 216.8 | 0.093 |
| 45 | 9.413 | 33.499 | 25.877 | 212.2 | 0.104 |
| 50 | 9.333 | 33.569 | 25.945 | 205.9 | 0.114 |
| 60 | 9.182 | 33.621 | 26.010 | 199.9 | 0.135 |
| 70 | 8.979 | 33.646 | 26.062 | 195.1 | 0.154 |
| 80 | 8.960 | 33.727 | 26.128 | 189.0 | 0.174 |
| 90 | 8.852 | 33.830 | 26.226 | 179.9 | 0.192 |
| 100 | 8.559 | 33.869 | 26.302 | 172.8 | 0.210 |
| 125 | 8.415 | 33.963 | 26.397 | 164.1 | 0.252 |
| 150 | 7.824 | 33.971 | 26.492 | 155.4 | 0.292 |
| 175 | 7.640 | 34.002 | 26.543 | 150.9 | 0.330 |
| 200 | 7.442 | 34.019 | 26.585 | 147.3 | 0.367 |
| 225 | 7.251 | 34.063 | 26.646 | 141.8 | 0.404 |
| 250 | 7.423 | 34.122 | 26.668 | 140.2 | 0.439 |
| 275 | 7.152 | 34.128 | 26.711 | 136.4 | 0.473 |
| 300 | 6.720 | 34.088 | 26.739 | 133.9 | 0.507 |
| 325 | 6.442 | 34.100 | 26.785 | 129.6 | 0.540 |
| 350 | 6.402 | 34.122 | 26.807 | 127.8 | 0.572 |
| 375 | 6.335 | 34.145 | 26.834 | 125.6 | 0.604 |
| 400 | 6.137 | 34.152 | 26.865 | 122.8 | 0.635 |
| 425 | 5.873 | 34.148 | 26.895 | 120.0 | 0.665 |
| 450 | 5.652 | 34.163 | 26.935 | 116.4 | 0.695 |
| 475 | 5.650 | 34.189 | 26.955 | 114.8 | 0.724 |
| 499 | 5.523 | 34.187 | 26.969 | 113.6 | 0.751 |



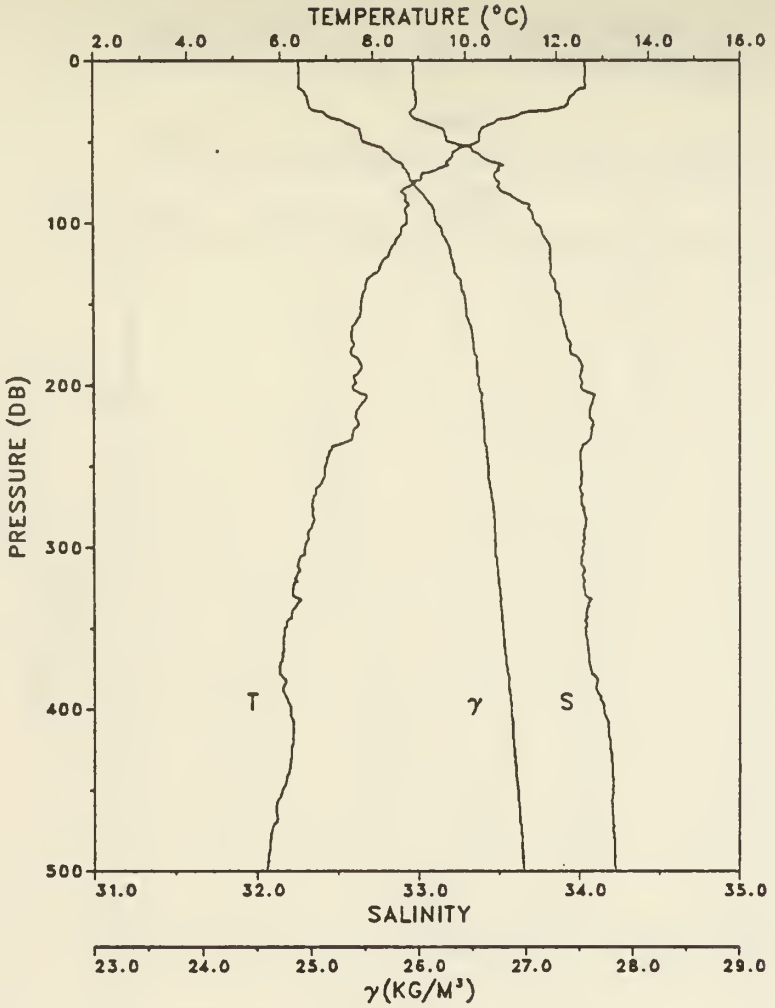

STATION: 731 LAT: 38 30.4 N LON: 124 1.1 W
DATE: 6/21/87 TIME: 2323Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.611 | 33.319 | 25.357 | 260.9 | 0.000 |
| 5 | 11.603 | 33.322 | 25.360 | 260.6 | 0.010 |
| 10 | 11.594 | 33.322 | 25.362 | 260.6 | 0.023 |
| 15 | 11.093 | 33.334 | 25.462 | 251.1 | 0.036 |
| 20 | 10.549 | 33.315 | 25.543 | 243.5 | 0.049 |
| 25 | 10.273 | 33.311 | 25.587 | 239.4 | 0.061 |
| 30 | 10.286 | 33.396 | 25.652 | 233.4 | 0.073 |
| 35 | 10.255 | 33.404 | 25.663 | 232.4 | 0.084 |
| 40 | 10.173 | 33.456 | 25.718 | 227.3 | 0.096 |
| 45 | 10.168 | 33.458 | 25.720 | 227.2 | 0.107 |
| 50 | 10.084 | 33.444 | 25.723 | 227.0 | 0.118 |
| 60 | 9.125 | 33.466 | 25.898 | 210.5 | 0.140 |
| 70 | 9.129 | 33.635 | 26.029 | 198.2 | 0.161 |
| 80 | 8.904 | 33.691 | 26.109 | 190.8 | 0.180 |
| 90 | 8.789 | 33.767 | 26.186 | 183.6 | 0.199 |
| 100 | 8.779 | 33.806 | 26.218 | 180.8 | 0.217 |
| 125 | 8.409 | 33.936 | 26.377 | 166.0 | 0.260 |
| 150 | 8.002 | 33.967 | 26.463 | 158.3 | 0.301 |
| 175 | 7.791 | 33.992 | 26.513 | 153.8 | 0.340 |
| 200 | 7.517 | 34.030 | 26.583 | 147.5 | 0.378 |
| 211 | 7.525 | 34.060 | 26.605 | 145.6 | 0.394 |



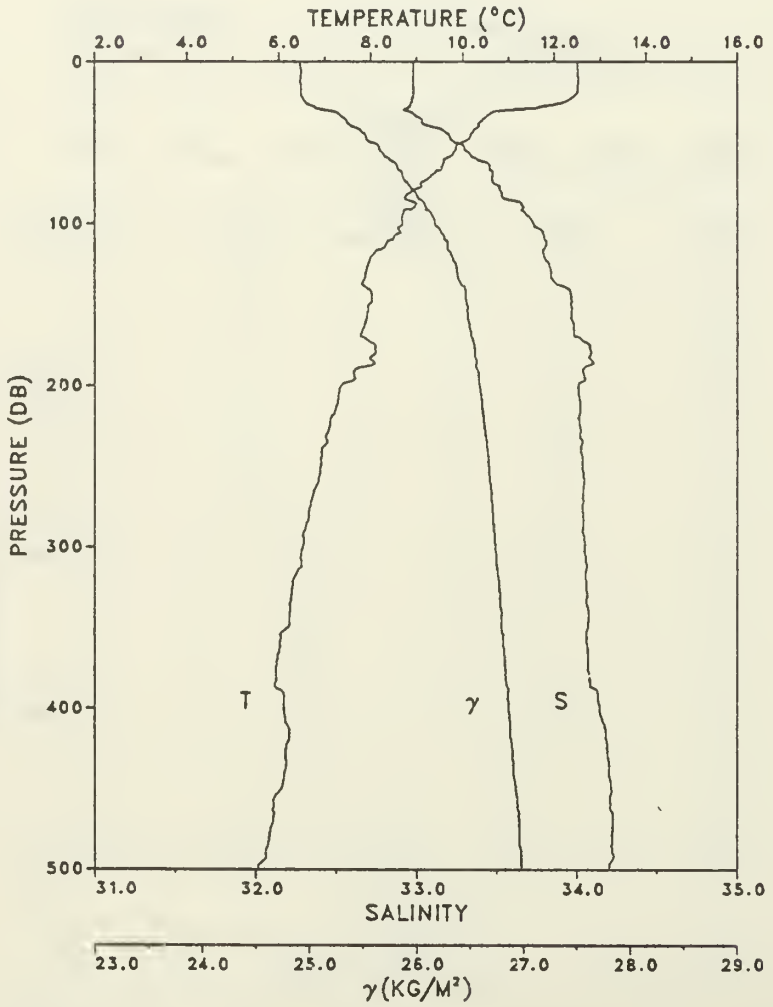

STATION: 74 LAT: 38 36.3 N LON: 124 2.9 W
DATE: 6/22/87 TIME: 0100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.328 | 33.074 | 25.032 | 291.8 | 0.000 |
| 5 | 12.329 | 33.072 | 25.030 | 292.0 | 0.012 |
| 10 | 12.335 | 33.072 | 25.029 | 292.2 | 0.026 |
| 15 | 12.137 | 33.101 | 25.089 | 286.6 | 0.041 |
| 20 | 11.858 | 33.122 | 25.158 | 280.2 | 0.055 |
| 25 | 11.582 | 33.137 | 25.220 | 274.3 | 0.069 |
| 30 | 11.007 | 33.174 | 25.353 | 261.8 | 0.082 |
| 35 | 10.293 | 33.187 | 25.487 | 249.1 | 0.095 |
| 40 | 10.079 | 33.256 | 25.577 | 240.6 | 0.107 |
| 45 | 10.214 | 33.342 | 25.622 | 236.5 | 0.119 |
| 50 | 9.911 | 33.351 | 25.680 | 231.1 | 0.131 |
| 60 | 9.494 | 33.434 | 25.813 | 218.6 | 0.153 |
| 70 | 8.967 | 33.457 | 25.915 | 209.0 | 0.175 |
| 80 | 8.793 | 33.553 | 26.018 | 199.4 | 0.195 |
| 90 | 8.835 | 33.720 | 26.142 | 187.8 | 0.214 |
| 100 | 8.699 | 33.770 | 26.202 | 182.2 | 0.233 |
| 125 | 8.561 | 33.903 | 26.328 | 170.7 | 0.277 |
| 150 | 8.019 | 33.954 | 26.450 | 159.5 | 0.318 |
| 175 | 7.817 | 33.989 | 26.507 | 154.4 | 0.358 |
| 200 | 7.702 | 34.017 | 26.546 | 151.1 | 0.396 |
| 225 | 7.637 | 34.033 | 26.568 | 149.4 | 0.433 |
| 250 | 7.322 | 34.020 | 26.602 | 146.3 | 0.470 |
| 275 | 7.061 | 34.017 | 26.636 | 143.4 | 0.507 |
| 300 | 6.731 | 34.028 | 26.690 | 138.5 | 0.542 |
| 325 | 6.708 | 34.090 | 26.742 | 133.9 | 0.576 |
| 350 | 6.555 | 34.115 | 26.782 | 130.4 | 0.609 |
| 375 | 6.340 | 34.120 | 26.814 | 127.5 | 0.641 |
| 400 | 6.221 | 34.126 | 26.834 | 125.8 | 0.673 |
| 425 | 5.991 | 34.147 | 26.880 | 121.6 | 0.704 |
| 450 | 5.771 | 34.160 | 26.918 | 118.2 | 0.734 |
| 475 | 5.623 | 34.181 | 26.952 | 115.0 | 0.763 |
| 499 | 5.548 | 34.210 | 26.984 | 112.2 | 0.790 |



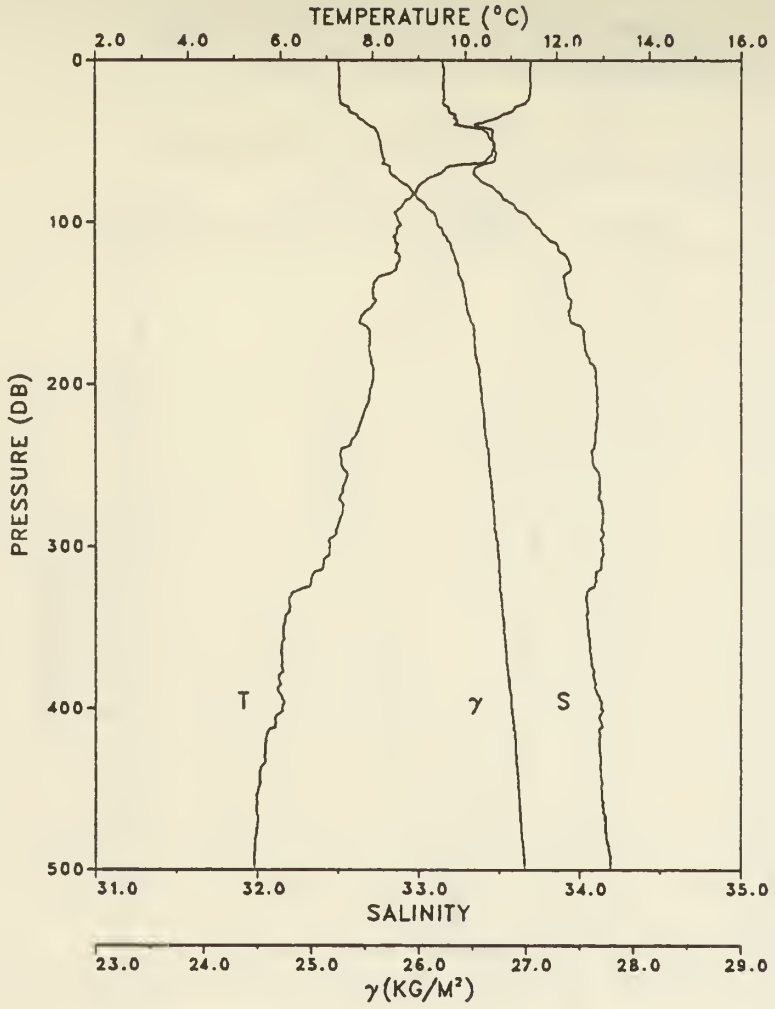

STATION: 75 LAT: 38 41.4 N LON: 124 6.1 W
DATE: 6/22/87 TIME: 0223Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.620 | 32.962 | 24.889 | 305.4 | 0.000 |
| 5 | 12.624 | 32.966 | 24.891 | 305.2 | 0.012 |
| 10 | 12.618 | 32.967 | 24.893 | 305.2 | 0.027 |
| 15 | 12.626 | 32.967 | 24.892 | 305.4 | 0.043 |
| 20 | 12.415 | 32.985 | 24.946 | 300.3 | 0.058 |
| 25 | 12.261 | 32.984 | 24.975 | 297.7 | 0.073 |
| 30 | 12.031 | 32.970 | 25.007 | 294.7 | 0.088 |
| 35 | 11.091 | 32.963 | 25.174 | 279.0 | 0.102 |
| 40 | 10.534 | 33.079 | 25.362 | 261.1 | 0.115 |
| 45 | 10.320 | 33.161 | 25.462 | 251.7 | 0.128 |
| 50 | 10.295 | 33.180 | 25.482 | 250.0 | 0.141 |
| 60 | 9.713 | 33.395 | 25.747 | 224.9 | 0.165 |
| 70 | 9.081 | 33.470 | 25.908 | 209.7 | 0.186 |
| 80 | 8.652 | 33.505 | 26.002 | 200.9 | 0.207 |
| 90 | 8.765 | 33.691 | 26.130 | 188.9 | 0.226 |
| 100 | 8.728 | 33.725 | 26.163 | 186.0 | 0.245 |
| 125 | 8.188 | 33.820 | 26.319 | 171.4 | 0.290 |
| 150 | 7.744 | 33.882 | 26.434 | 160.9 | 0.331 |
| 175 | 7.582 | 33.944 | 26.506 | 154.4 | 0.371 |
| 200 | 7.572 | 34.006 | 26.556 | 150.1 | 0.409 |
| 225 | 7.658 | 34.085 | 26.606 | 145.8 | 0.446 |
| 250 | 6.963 | 34.008 | 26.643 | 142.3 | 0.482 |
| 275 | 6.700 | 34.027 | 26.693 | 137.8 | 0.517 |
| 300 | 6.514 | 34.019 | 26.711 | 136.3 | 0.551 |
| 325 | 6.268 | 34.028 | 26.751 | 132.7 | 0.585 |
| 350 | 6.075 | 34.034 | 26.780 | 130.1 | 0.618 |
| 375 | 5.976 | 34.067 | 26.819 | 126.8 | 0.650 |
| 400 | 6.216 | 34.152 | 26.855 | 123.8 | 0.681 |
| 425 | 6.224 | 34.192 | 26.886 | 121.3 | 0.712 |
| 450 | 6.024 | 34.208 | 26.924 | 117.8 | 0.742 |
| 475 | 5.808 | 34.211 | 26.953 | 115.1 | 0.771 |
| 499 | 5.704 | 34.223 | 26.976 | 113.2 | 0.798 |



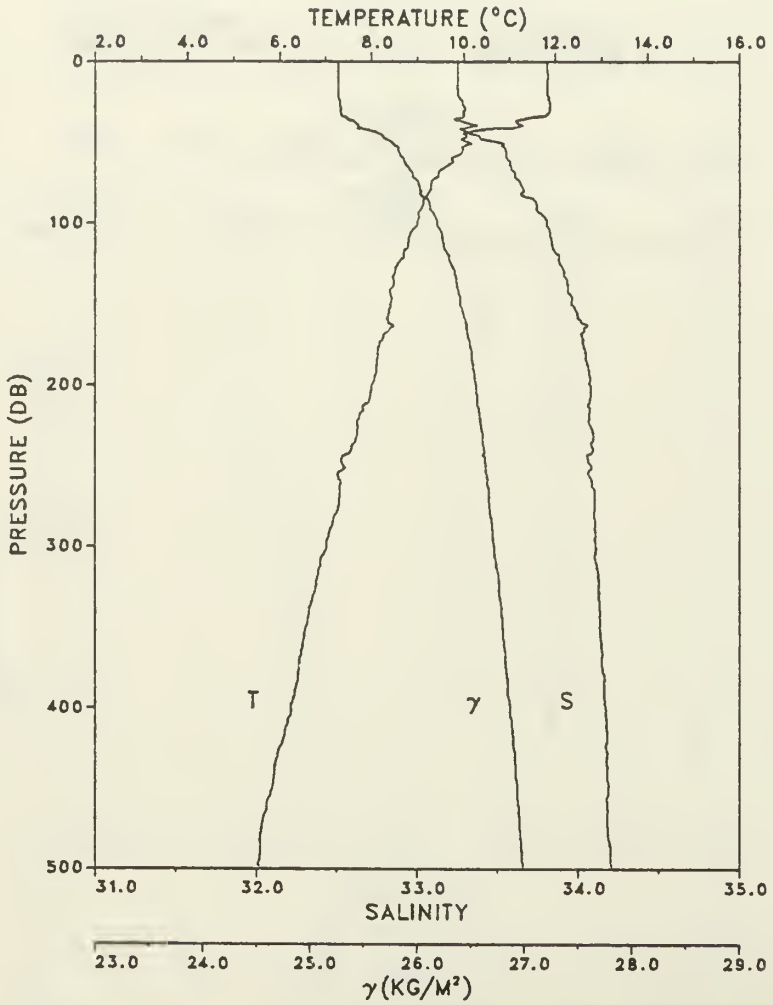

STATION: 76 LAT: 38 33.2 N LON: 124 6.7 W
DATE: 6/22/87 TIME: 0400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.518 | 32.976 | 24.920 | 302.4 | 0.000 |
| 5 | 12.517 | 32.977 | 24.921 | 302.4 | 0.012 |
| 10 | 12.523 | 32.978 | 24.920 | 302.6 | 0.027 |
| 15 | 12.517 | 32.979 | 24.922 | 302.5 | 0.042 |
| 20 | 12.496 | 32.976 | 24.924 | 302.5 | 0.057 |
| 25 | 12.232 | 32.970 | 24.970 | 298.2 | 0.072 |
| 30 | 11.125 | 32.919 | 25.134 | 282.7 | 0.087 |
| 35 | 10.481 | 33.018 | 25.323 | 264.7 | 0.101 |
| 40 | 10.373 | 33.073 | 25.385 | 259.0 | 0.114 |
| 45 | 10.169 | 33.198 | 25.517 | 246.5 | 0.126 |
| 50 | 9.990 | 33.238 | 25.578 | 240.7 | 0.139 |
| 60 | 9.641 | 33.369 | 25.738 | 225.7 | 0.162 |
| 70 | 9.348 | 33.472 | 25.867 | 213.7 | 0.184 |
| 80 | 8.896 | 33.523 | 25.978 | 203.2 | 0.205 |
| 90 | 8.957 | 33.669 | 26.083 | 193.4 | 0.225 |
| 100 | 8.684 | 33.724 | 26.169 | 185.4 | 0.244 |
| 125 | 7.944 | 33.827 | 26.361 | 167.4 | 0.288 |
| 150 | 7.939 | 33.961 | 26.467 | 157.8 | 0.328 |
| 175 | 8.101 | 34.079 | 26.536 | 151.8 | 0.367 |
| 200 | 7.356 | 34.007 | 26.587 | 147.0 | 0.404 |
| 225 | 7.100 | 34.017 | 26.631 | 143.2 | 0.441 |
| 250 | 6.905 | 34.033 | 26.670 | 139.7 | 0.476 |
| 275 | 6.676 | 34.032 | 26.700 | 137.1 | 0.511 |
| 300 | 6.514 | 34.045 | 26.732 | 134.3 | 0.544 |
| 325 | 6.294 | 34.059 | 26.772 | 130.8 | 0.578 |
| 350 | 6.191 | 34.067 | 26.791 | 129.2 | 0.610 |
| 375 | 5.942 | 34.069 | 26.824 | 126.2 | 0.642 |
| 400 | 6.107 | 34.139 | 26.859 | 123.4 | 0.673 |
| 425 | 6.154 | 34.188 | 26.892 | 120.7 | 0.704 |
| 450 | 6.039 | 34.214 | 26.927 | 117.6 | 0.734 |
| 475 | 5.814 | 34.222 | 26.961 | 114.4 | 0.763 |
| 499 | 5.540 | 34.201 | 26.978 | 112.8 | 0.790 |



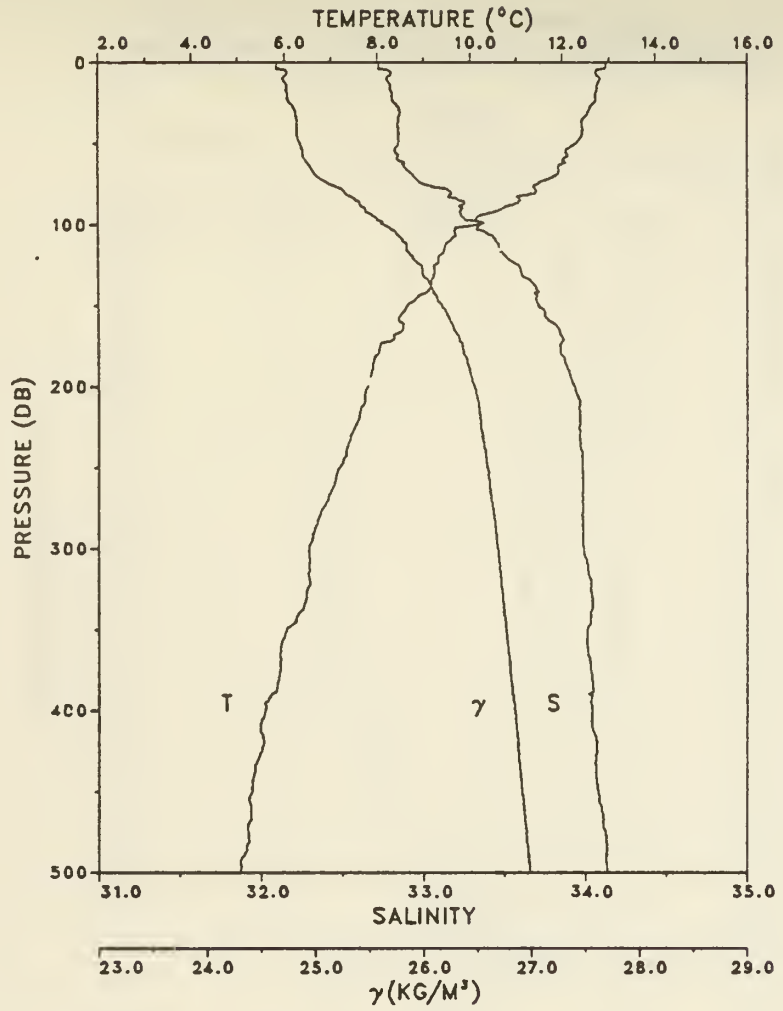

STATION: 77 LAT: 38 27.1 N LON: 124 6.3 W
DATE: 6/22/87 TIME: 0500Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.423 | 33.146 | 25.256 | 270.4 | 0.000 |
| 5 | 11.417 | 33.153 | 25.263 | 269.9 | 0.011 |
| 10 | 11.417 | 33.151 | 25.261 | 270.1 | 0.024 |
| 15 | 11.423 | 33.152 | 25.261 | 270.3 | 0.038 |
| 20 | 11.413 | 33.154 | 25.264 | 270.0 | 0.051 |
| 25 | 11.349 | 33.148 | 25.271 | 269.5 | 0.065 |
| 30 | 11.066 | 33.182 | 25.349 | 262.2 | 0.078 |
| 35 | 10.768 | 33.228 | 25.437 | 253.9 | 0.091 |
| 40 | 10.193 | 33.220 | 25.530 | 245.1 | 0.103 |
| 45 | 10.583 | 33.426 | 25.624 | 236.4 | 0.116 |
| 50 | 10.623 | 33.459 | 25.643 | 234.7 | 0.127 |
| 60 | 10.523 | 33.471 | 25.669 | 232.3 | 0.151 |
| 70 | 9.478 | 33.341 | 25.743 | 225.4 | 0.174 |
| 80 | 8.960 | 33.473 | 25.929 | 207.8 | 0.195 |
| 90 | 8.654 | 33.596 | 26.073 | 194.3 | 0.215 |
| 100 | 8.573 | 33.704 | 26.170 | 185.3 | 0.234 |
| 125 | 8.556 | 33.934 | 26.353 | 168.4 | 0.278 |
| 150 | 8.047 | 33.945 | 26.439 | 160.5 | 0.320 |
| 175 | 7.943 | 34.030 | 26.521 | 153.2 | 0.359 |
| 200 | 7.981 | 34.103 | 26.572 | 148.7 | 0.397 |
| 225 | 7.719 | 34.103 | 26.611 | 145.4 | 0.433 |
| 250 | 7.334 | 34.087 | 26.653 | 141.5 | 0.469 |
| 275 | 7.352 | 34.136 | 26.689 | 138.5 | 0.504 |
| 300 | 7.063 | 34.141 | 26.734 | 134.5 | 0.538 |
| 325 | 6.610 | 34.086 | 26.752 | 132.9 | 0.572 |
| 350 | 6.060 | 34.049 | 26.794 | 128.8 | 0.604 |
| 375 | 6.028 | 34.080 | 26.822 | 126.4 | 0.636 |
| 400 | 6.017 | 34.132 | 26.865 | 122.8 | 0.668 |
| 425 | 5.668 | 34.121 | 26.899 | 119.5 | 0.698 |
| 450 | 5.507 | 34.134 | 26.929 | 116.8 | 0.727 |
| 475 | 5.479 | 34.159 | 26.952 | 114.9 | 0.756 |
| 499 | 5.421 | 34.190 | 26.984 | 112.1 | 0.784 |



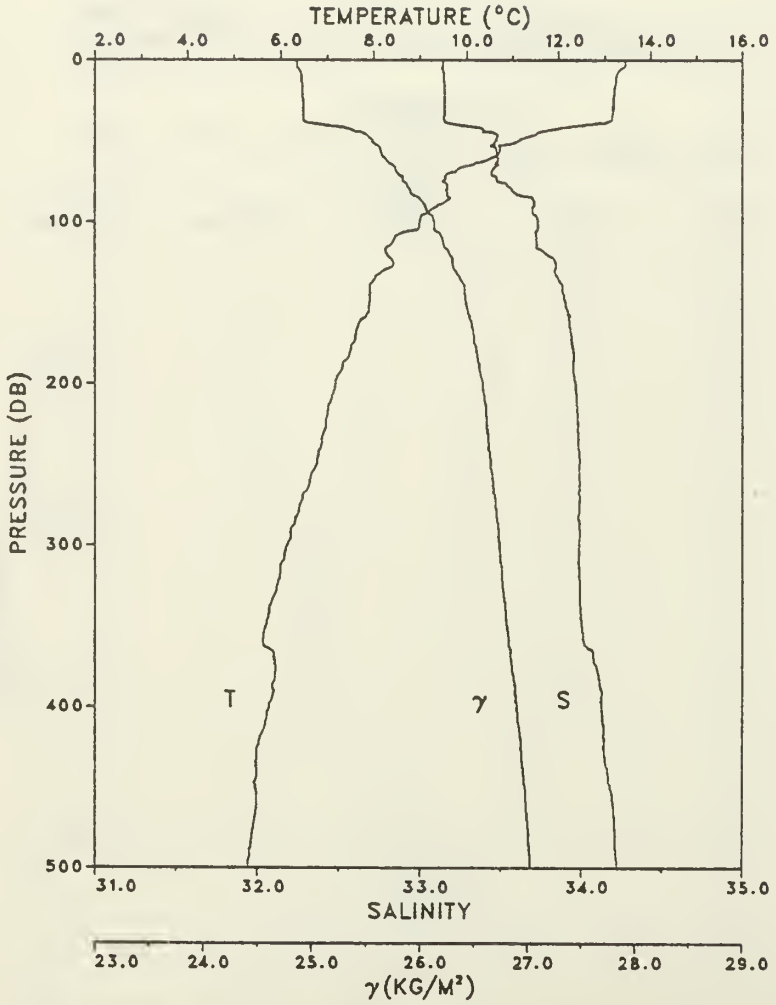

STATION: 78 LAT: 38 20.2 N LON: 124 6.1 W
DATE: 6/22/87 TIME: 0600Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.817 | 33.248 | 25.263 | 269.7 | 0.000 |
| 5 | 11.828 | 33.250 | 25.263 | 269.9 | 0.011 |
| 10 | 11.835 | 33.249 | 25.261 | 270.2 | 0.024 |
| 15 | 11.826 | 33.247 | 25.261 | 270.3 | 0.038 |
| 20 | 11.832 | 33.249 | 25.261 | 270.4 | 0.051 |
| 25 | 11.881 | 33.277 | 25.274 | 269.3 | 0.065 |
| 30 | 11.875 | 33.290 | 25.285 | 268.3 | 0.078 |
| 35 | 11.465 | 33.276 | 25.350 | 262.3 | 0.092 |
| 40 | 11.288 | 33.372 | 25.457 | 252.2 | 0.104 |
| 45 | 9.982 | 33.318 | 25.642 | 234.6 | 0.117 |
| 50 | 10.111 | 33.503 | 25.765 | 223.0 | 0.128 |
| 60 | 9.739 | 33.557 | 25.869 | 213.3 | 0.150 |
| 70 | 9.454 | 33.606 | 25.954 | 205.4 | 0.171 |
| 80 | 9.263 | 33.665 | 26.031 | 198.2 | 0.191 |
| 90 | 9.101 | 33.742 | 26.117 | 190.2 | 0.210 |
| 100 | 8.995 | 33.804 | 26.183 | 184.2 | 0.229 |
| 125 | 8.568 | 33.882 | 26.310 | 172.4 | 0.274 |
| 150 | 8.401 | 33.955 | 26.393 | 165.0 | 0.316 |
| 175 | 8.168 | 34.034 | 26.490 | 156.1 | 0.356 |
| 200 | 8.002 | 34.075 | 26.547 | 151.1 | 0.394 |
| 225 | 7.698 | 34.075 | 26.592 | 147.1 | 0.432 |
| 250 | 7.400 | 34.080 | 26.638 | 143.0 | 0.468 |
| 275 | 7.285 | 34.099 | 26.670 | 140.3 | 0.503 |
| 300 | 7.011 | 34.107 | 26.714 | 136.4 | 0.538 |
| 325 | 6.786 | 34.126 | 26.760 | 132.3 | 0.571 |
| 350 | 6.566 | 34.133 | 26.795 | 129.2 | 0.604 |
| 375 | 6.417 | 34.150 | 26.828 | 126.3 | 0.636 |
| 400 | 6.248 | 34.169 | 26.865 | 123.0 | 0.667 |
| 425 | 5.985 | 34.173 | 26.901 | 119.6 | 0.698 |
| 450 | 5.829 | 34.183 | 26.929 | 117.2 | 0.727 |
| 475 | 5.601 | 34.183 | 26.957 | 114.6 | 0.756 |
| 499 | 5.537 | 34.204 | 26.981 | 112.5 | 0.783 |



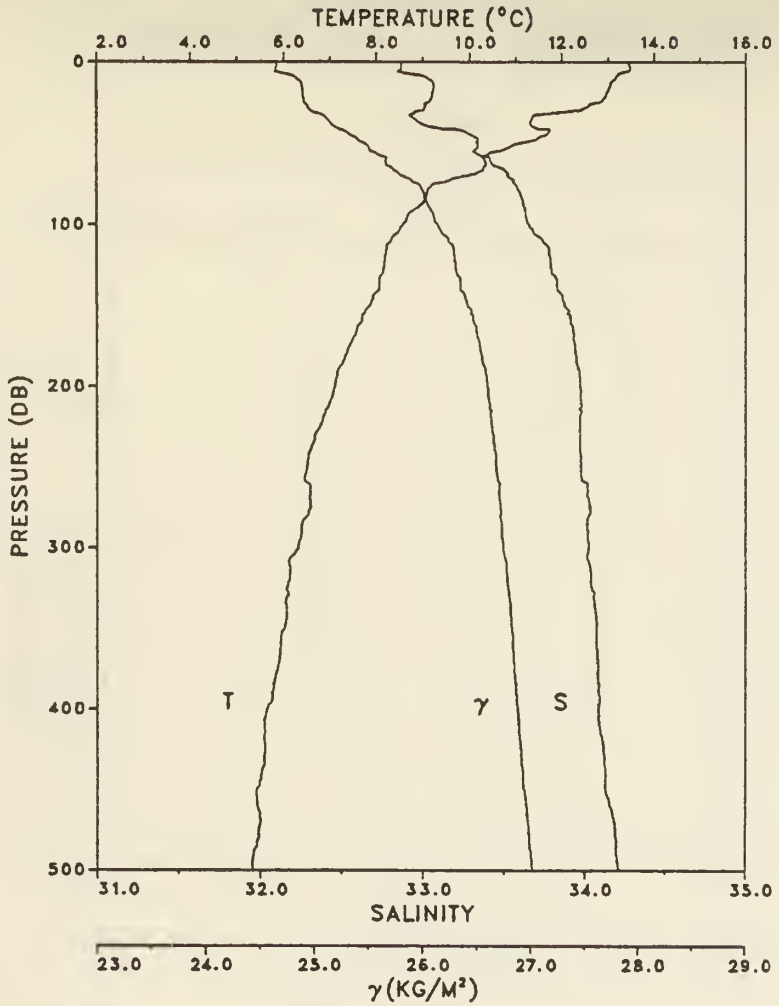

STATION: 79 LAT: 37 43.2 N LON: 124 37.0 W
DATE: 6/25/87 TIME: 1741Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.935 | 32.725 | 24.644 | 328.7 | 0.000 |
| 5 | 12.733 | 32.784 | 24.729 | 320.7 | 0.013 |
| 10 | 12.811 | 32.771 | 24.704 | 323.2 | 0.029 |
| 15 | 12.745 | 32.798 | 24.738 | 320.1 | 0.045 |
| 20 | 12.724 | 32.807 | 24.749 | 319.1 | 0.061 |
| 25 | 12.683 | 32.823 | 24.769 | 317.3 | 0.077 |
| 30 | 12.560 | 32.857 | 24.819 | 312.7 | 0.093 |
| 35 | 12.445 | 32.847 | 24.834 | 311.4 | 0.108 |
| 40 | 12.435 | 32.846 | 24.835 | 311.4 | 0.124 |
| 45 | 12.424 | 32.847 | 24.838 | 311.3 | 0.140 |
| 50 | 12.304 | 32.851 | 24.864 | 308.9 | 0.155 |
| 60 | 12.021 | 32.842 | 24.910 | 304.7 | 0.186 |
| 70 | 11.876 | 32.937 | 25.011 | 295.3 | 0.216 |
| 80 | 11.428 | 33.169 | 25.273 | 270.5 | 0.244 |
| 90 | 10.721 | 33.243 | 25.457 | 253.1 | 0.270 |
| 100 | 10.165 | 33.352 | 25.638 | 236.1 | 0.295 |
| 125 | 9.218 | 33.592 | 25.981 | 203.8 | 0.350 |
| 150 | 8.636 | 33.711 | 26.166 | 186.5 | 0.398 |
| 175 | 8.050 | 33.844 | 26.359 | 168.5 | 0.443 |
| 200 | 7.777 | 33.933 | 26.469 | 158.4 | 0.484 |
| 225 | 7.500 | 33.959 | 26.529 | 153.0 | 0.523 |
| 250 | 7.171 | 33.979 | 26.591 | 147.3 | 0.560 |
| 275 | 6.818 | 33.982 | 26.642 | 142.7 | 0.596 |
| 300 | 6.519 | 33.987 | 26.686 | 138.7 | 0.632 |
| 325 | 6.482 | 34.031 | 26.725 | 135.3 | 0.666 |
| 350 | 6.036 | 34.008 | 26.764 | 131.6 | 0.699 |
| 375 | 5.897 | 34.031 | 26.800 | 128.4 | 0.732 |
| 400 | 5.578 | 34.037 | 26.844 | 124.3 | 0.763 |
| 425 | 5.517 | 34.070 | 26.877 | 121.4 | 0.794 |
| 450 | 5.286 | 34.077 | 26.910 | 118.3 | 0.824 |
| 475 | 5.221 | 34.122 | 26.954 | 114.5 | 0.853 |
| 499 | 5.050 | 34.134 | 26.983 | 111.8 | 0.880 |



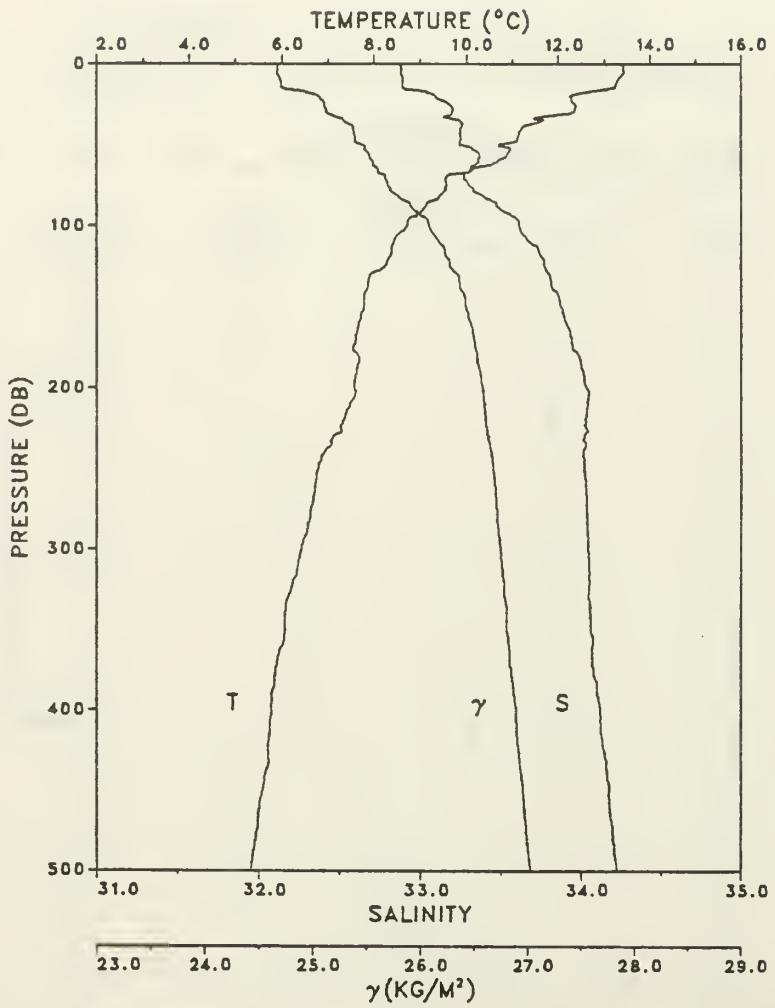

STATION: 80 LAT: 38 0.4 N LON: 124 25.8 W
DATE: 6/25/87 TIME: 2300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.454 | 33.142 | 24.864 | 307.8 | 0.000 |
| 5 | 13.400 | 33.131 | 24.866 | 307.6 | 0.012 |
| 10 | 13.263 | 33.146 | 24.905 | 304.0 | 0.028 |
| 15 | 13.234 | 33.148 | 24.913 | 303.5 | 0.043 |
| 20 | 13.211 | 33.149 | 24.918 | 303.1 | 0.058 |
| 25 | 13.195 | 33.148 | 24.920 | 303.0 | 0.073 |
| 30 | 13.189 | 33.148 | 24.922 | 303.0 | 0.088 |
| 35 | 13.171 | 33.147 | 24.924 | 302.8 | 0.103 |
| 40 | 12.724 | 33.213 | 25.063 | 289.7 | 0.118 |
| 45 | 11.566 | 33.445 | 25.463 | 251.7 | 0.132 |
| 50 | 11.122 | 33.465 | 25.559 | 242.7 | 0.144 |
| 60 | 10.594 | 33.472 | 25.658 | 233.5 | 0.168 |
| 70 | 9.653 | 33.441 | 25.793 | 220.7 | 0.191 |
| 80 | 9.566 | 33.568 | 25.906 | 210.1 | 0.212 |
| 90 | 9.369 | 33.711 | 26.050 | 196.6 | 0.232 |
| 100 | 8.983 | 33.729 | 26.126 | 189.5 | 0.252 |
| 125 | 8.418 | 33.841 | 26.301 | 173.2 | 0.297 |
| 150 | 7.903 | 33.899 | 26.424 | 161.9 | 0.339 |
| 175 | 7.553 | 33.939 | 26.506 | 154.4 | 0.379 |
| 200 | 7.179 | 33.962 | 26.577 | 147.9 | 0.416 |
| 225 | 6.963 | 33.977 | 26.618 | 144.3 | 0.453 |
| 250 | 6.770 | 33.985 | 26.651 | 141.5 | 0.489 |
| 275 | 6.405 | 33.983 | 26.697 | 137.2 | 0.523 |
| 300 | 6.125 | 33.982 | 26.733 | 134.0 | 0.557 |
| 325 | 5.915 | 33.989 | 26.765 | 131.2 | 0.591 |
| 350 | 5.668 | 34.001 | 26.804 | 127.5 | 0.623 |
| 375 | 5.893 | 34.090 | 26.847 | 124.0 | 0.654 |
| 400 | 5.743 | 34.124 | 26.893 | 119.9 | 0.685 |
| 425 | 5.493 | 34.138 | 26.934 | 116.0 | 0.714 |
| 450 | 5.446 | 34.174 | 26.968 | 113.1 | 0.743 |
| 475 | 5.402 | 34.206 | 26.999 | 110.4 | 0.771 |
| 499 | 5.288 | 34.219 | 27.023 | 108.3 | 0.797 |



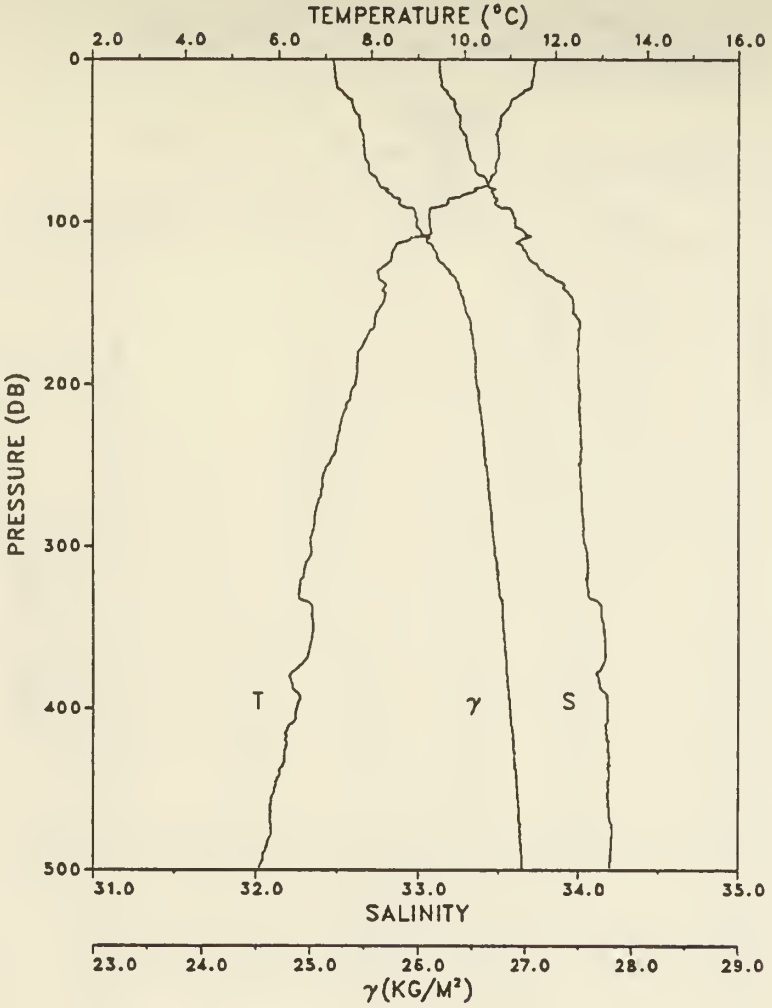

STATION: 81 LAT: 38 7.4 N LON: 124 26.0 W
DATE: 6/26/87 TIME: 0000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.460 | 32.867 | 24.650 | 328.1 | 0.000 |
| 5 | 13.476 | 32.864 | 24.644 | 328.8 | 0.013 |
| 10 | 13.160 | 33.027 | 24.834 | 310.9 | 0.029 |
| 15 | 13.037 | 33.065 | 24.887 | 305.9 | 0.045 |
| 20 | 12.964 | 33.058 | 24.896 | 305.1 | 0.060 |
| 25 | 12.820 | 33.034 | 24.906 | 304.3 | 0.075 |
| 30 | 12.405 | 33.001 | 24.961 | 299.2 | 0.090 |
| 35 | 11.343 | 32.946 | 25.115 | 284.5 | 0.105 |
| 40 | 11.361 | 33.032 | 25.179 | 278.6 | 0.119 |
| 45 | 11.647 | 33.296 | 25.332 | 264.2 | 0.132 |
| 50 | 11.120 | 33.335 | 25.458 | 252.3 | 0.145 |
| 60 | 10.321 | 33.411 | 25.657 | 233.5 | 0.170 |
| 70 | 10.016 | 33.520 | 25.794 | 220.6 | 0.192 |
| 80 | 9.094 | 33.595 | 26.003 | 200.8 | 0.213 |
| 90 | 8.881 | 33.628 | 26.063 | 195.3 | 0.233 |
| 100 | 8.566 | 33.656 | 26.134 | 188.7 | 0.252 |
| 125 | 8.170 | 33.788 | 26.297 | 173.6 | 0.298 |
| 150 | 7.853 | 33.873 | 26.411 | 163.1 | 0.340 |
| 175 | 7.416 | 33.937 | 26.524 | 152.7 | 0.379 |
| 200 | 7.097 | 33.970 | 26.594 | 146.2 | 0.417 |
| 225 | 6.787 | 33.970 | 26.637 | 142.5 | 0.453 |
| 250 | 6.506 | 33.973 | 26.676 | 138.9 | 0.488 |
| 275 | 6.572 | 34.028 | 26.711 | 136.0 | 0.522 |
| 300 | 6.313 | 34.022 | 26.740 | 133.4 | 0.556 |
| 325 | 6.067 | 34.041 | 26.787 | 129.2 | 0.589 |
| 350 | 6.007 | 34.071 | 26.818 | 126.5 | 0.621 |
| 375 | 5.862 | 34.081 | 26.844 | 124.3 | 0.652 |
| 400 | 5.629 | 34.085 | 26.876 | 121.4 | 0.683 |
| 425 | 5.587 | 34.116 | 26.905 | 118.8 | 0.713 |
| 450 | 5.412 | 34.127 | 26.935 | 116.2 | 0.742 |
| 475 | 5.466 | 34.189 | 26.978 | 112.5 | 0.771 |
| 499 | 5.326 | 34.208 | 27.009 | 109.6 | 0.797 |



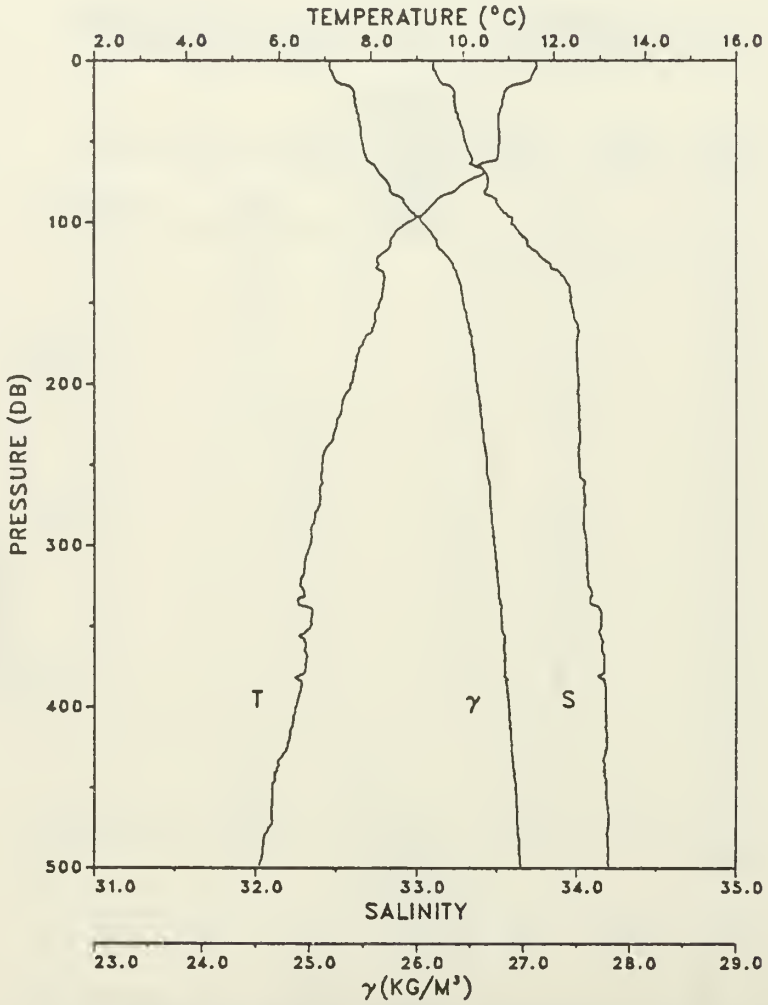

STATION: 82 LAT: 38 14.4 N LON: 124 25.8 W
DATE: 6/26/87 TIME: 0200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.411 | 32.882 | 24.671 | 326.1 | 0.000 |
| 5 | 13.430 | 32.882 | 24.668 | 326.6 | 0.013 |
| 10 | 13.294 | 32.892 | 24.703 | 323.3 | 0.029 |
| 15 | 13.231 | 32.892 | 24.715 | 322.3 | 0.045 |
| 20 | 12.262 | 33.096 | 25.062 | 289.4 | 0.061 |
| 25 | 12.369 | 33.181 | 25.107 | 285.2 | 0.075 |
| 30 | 12.330 | 33.196 | 25.126 | 283.5 | 0.089 |
| 35 | 11.694 | 33.245 | 25.284 | 268.6 | 0.103 |
| 40 | 11.208 | 33.248 | 25.375 | 260.0 | 0.116 |
| 45 | 11.118 | 33.249 | 25.392 | 258.5 | 0.129 |
| 50 | 10.716 | 33.243 | 25.458 | 252.2 | 0.142 |
| 60 | 10.691 | 33.360 | 25.554 | 243.4 | 0.167 |
| 70 | 9.564 | 33.268 | 25.672 | 232.1 | 0.191 |
| 80 | 9.482 | 33.357 | 25.755 | 224.5 | 0.213 |
| 90 | 9.062 | 33.495 | 25.930 | 207.9 | 0.235 |
| 100 | 8.710 | 33.612 | 26.077 | 194.1 | 0.255 |
| 125 | 8.220 | 33.773 | 26.278 | 175.4 | 0.301 |
| 150 | 7.768 | 33.872 | 26.422 | 162.0 | 0.344 |
| 175 | 7.539 | 33.945 | 26.513 | 153.8 | 0.383 |
| 200 | 7.563 | 34.034 | 26.579 | 147.9 | 0.421 |
| 225 | 7.284 | 34.030 | 26.615 | 144.7 | 0.457 |
| 250 | 6.776 | 34.016 | 26.674 | 139.3 | 0.493 |
| 275 | 6.621 | 34.032 | 26.708 | 136.4 | 0.527 |
| 300 | 6.413 | 34.041 | 26.742 | 133.3 | 0.561 |
| 325 | 6.190 | 34.046 | 26.775 | 130.4 | 0.594 |
| 350 | 6.061 | 34.058 | 26.801 | 128.2 | 0.626 |
| 375 | 5.860 | 34.076 | 26.840 | 124.6 | 0.658 |
| 400 | 5.764 | 34.116 | 26.884 | 120.7 | 0.688 |
| 425 | 5.704 | 34.142 | 26.912 | 118.4 | 0.718 |
| 450 | 5.575 | 34.173 | 26.952 | 114.7 | 0.748 |
| 475 | 5.454 | 34.194 | 26.983 | 112.0 | 0.776 |
| 499 | 5.327 | 34.221 | 27.020 | 108.7 | 0.802 |



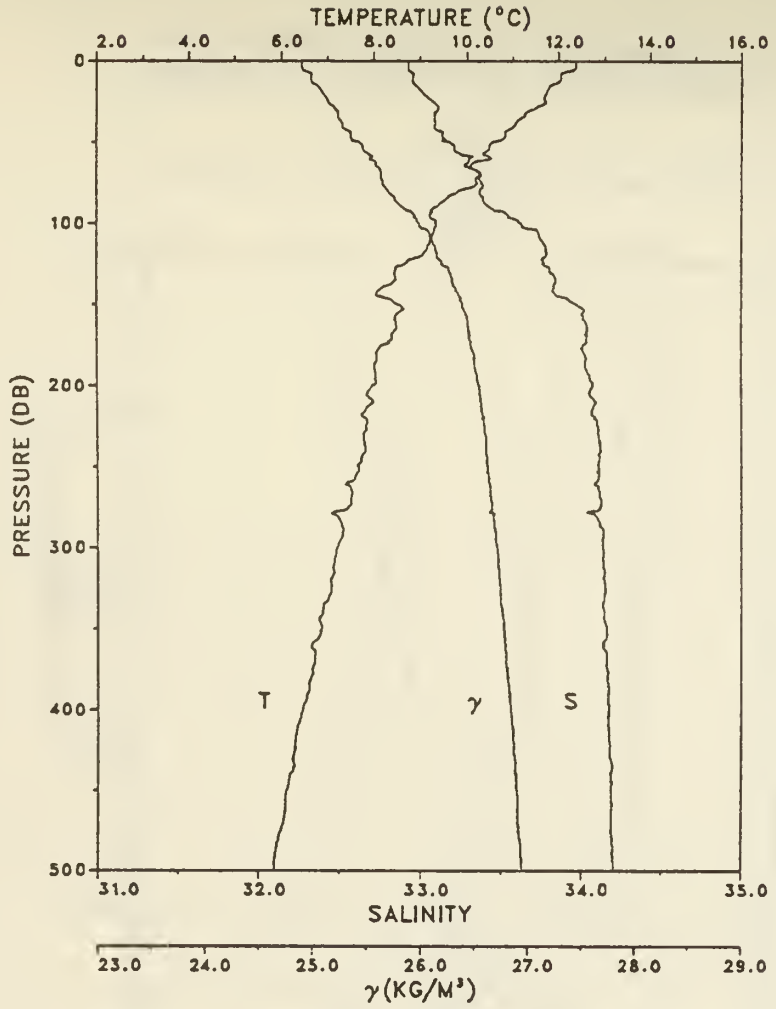

STATION: 825 LAT: 38 17.6 N LON: 124 26.4 W
DATE: 6/26/87 TIME: 0300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.546 | 33.128 | 25.220 | 273.9 | 0.000 |
| 5 | 11.521 | 33.128 | 25.225 | 273.5 | 0.011 |
| 10 | 11.516 | 33.135 | 25.231 | 273.0 | 0.025 |
| 15 | 11.483 | 33.142 | 25.242 | 272.0 | 0.038 |
| 20 | 11.287 | 33.181 | 25.308 | 265.9 | 0.052 |
| 25 | 11.012 | 33.224 | 25.391 | 258.1 | 0.065 |
| 30 | 10.947 | 33.231 | 25.408 | 256.6 | 0.078 |
| 35 | 10.801 | 33.262 | 25.458 | 251.9 | 0.090 |
| 40 | 10.781 | 33.259 | 25.459 | 251.9 | 0.103 |
| 45 | 10.701 | 33.275 | 25.486 | 249.5 | 0.115 |
| 50 | 10.731 | 33.298 | 25.498 | 248.4 | 0.128 |
| 60 | 10.756 | 33.320 | 25.511 | 247.4 | 0.153 |
| 70 | 10.697 | 33.360 | 25.552 | 243.7 | 0.177 |
| 80 | 10.208 | 33.483 | 25.733 | 226.7 | 0.201 |
| 90 | 9.587 | 33.487 | 25.839 | 216.6 | 0.223 |
| 100 | 9.242 | 33.601 | 25.985 | 203.0 | 0.244 |
| 125 | 8.378 | 33.720 | 26.212 | 181.6 | 0.292 |
| 150 | 8.246 | 33.968 | 26.427 | 161.7 | 0.335 |
| 175 | 7.826 | 33.997 | 26.512 | 153.9 | 0.374 |
| 200 | 7.650 | 33.998 | 26.538 | 151.8 | 0.413 |
| 225 | 7.311 | 34.013 | 26.598 | 146.3 | 0.450 |
| 250 | 7.021 | 34.010 | 26.636 | 143.0 | 0.486 |
| 275 | 6.805 | 34.020 | 26.673 | 139.7 | 0.521 |
| 300 | 6.686 | 34.044 | 26.708 | 136.7 | 0.556 |
| 325 | 6.439 | 34.056 | 26.751 | 132.9 | 0.590 |
| 350 | 6.735 | 34.157 | 26.791 | 129.6 | 0.622 |
| 375 | 6.394 | 34.138 | 26.821 | 126.9 | 0.655 |
| 400 | 6.376 | 34.178 | 26.855 | 124.0 | 0.686 |
| 425 | 6.134 | 34.181 | 26.889 | 120.9 | 0.716 |
| 450 | 5.882 | 34.185 | 26.924 | 117.7 | 0.746 |
| 475 | 5.826 | 34.208 | 26.949 | 115.6 | 0.775 |
| 499 | 5.559 | 34.195 | 26.971 | 113.5 | 0.803 |



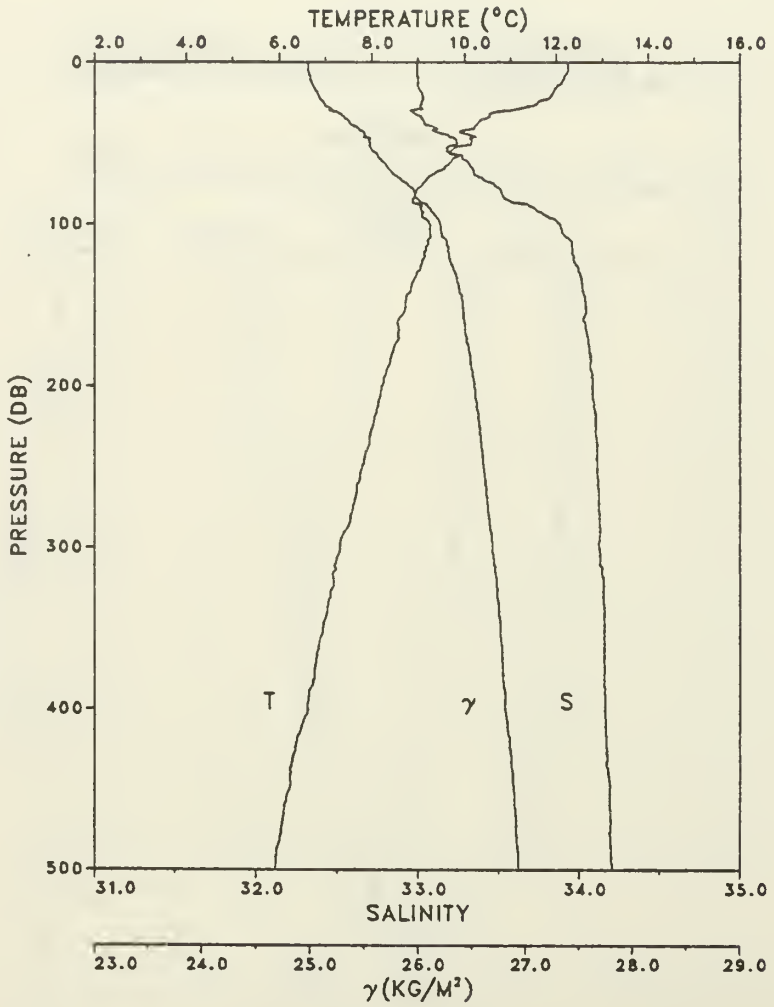

STATION: 826 LAT: 38 18.0 N LON: 124 28.0 W
DATE: 6/26/87 TIME: 0441Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.608 | 33.099 | 25.186 | 277.1 | 0.000 |
| 5 | 11.611 | 33.098 | 25.185 | 277.3 | 0.011 |
| 10 | 11.507 | 33.127 | 25.226 | 273.5 | 0.025 |
| 15 | 11.224 | 33.158 | 25.302 | 266.4 | 0.038 |
| 20 | 10.902 | 33.232 | 25.417 | 255.5 | 0.051 |
| 25 | 10.866 | 33.228 | 25.420 | 255.3 | 0.064 |
| 30 | 10.820 | 33.238 | 25.436 | 253.9 | 0.077 |
| 35 | 10.778 | 33.253 | 25.455 | 252.2 | 0.090 |
| 40 | 10.773 | 33.273 | 25.471 | 250.8 | 0.102 |
| 45 | 10.802 | 33.287 | 25.477 | 250.3 | 0.115 |
| 50 | 10.793 | 33.299 | 25.488 | 249.4 | 0.127 |
| 60 | 10.756 | 33.340 | 25.527 | 245.9 | 0.152 |
| 70 | 10.443 | 33.433 | 25.653 | 234.0 | 0.176 |
| 80 | 9.855 | 33.435 | 25.755 | 224.5 | 0.199 |
| 90 | 9.304 | 33.510 | 25.903 | 210.5 | 0.221 |
| 100 | 8.801 | 33.593 | 26.048 | 196.9 | 0.241 |
| 125 | 8.153 | 33.823 | 26.327 | 170.7 | 0.287 |
| 150 | 8.176 | 33.963 | 26.433 | 161.1 | 0.328 |
| 175 | 7.828 | 34.000 | 26.514 | 153.7 | 0.368 |
| 200 | 7.551 | 34.011 | 26.563 | 149.4 | 0.406 |
| 225 | 7.247 | 34.015 | 26.609 | 145.3 | 0.442 |
| 250 | 6.937 | 34.014 | 26.651 | 141.5 | 0.478 |
| 275 | 6.881 | 34.046 | 26.684 | 138.8 | 0.513 |
| 300 | 6.662 | 34.060 | 26.724 | 135.2 | 0.548 |
| 325 | 6.458 | 34.074 | 26.762 | 131.8 | 0.581 |
| 350 | 6.671 | 34.149 | 26.793 | 129.4 | 0.614 |
| 375 | 6.580 | 34.171 | 26.823 | 126.9 | 0.646 |
| 400 | 6.356 | 34.182 | 26.861 | 123.4 | 0.677 |
| 425 | 6.184 | 34.188 | 26.888 | 121.1 | 0.708 |
| 450 | 5.852 | 34.184 | 26.927 | 117.4 | 0.737 |
| 475 | 5.774 | 34.194 | 26.944 | 116.0 | 0.766 |
| 499 | 5.577 | 34.199 | 26.972 | 113.4 | 0.794 |



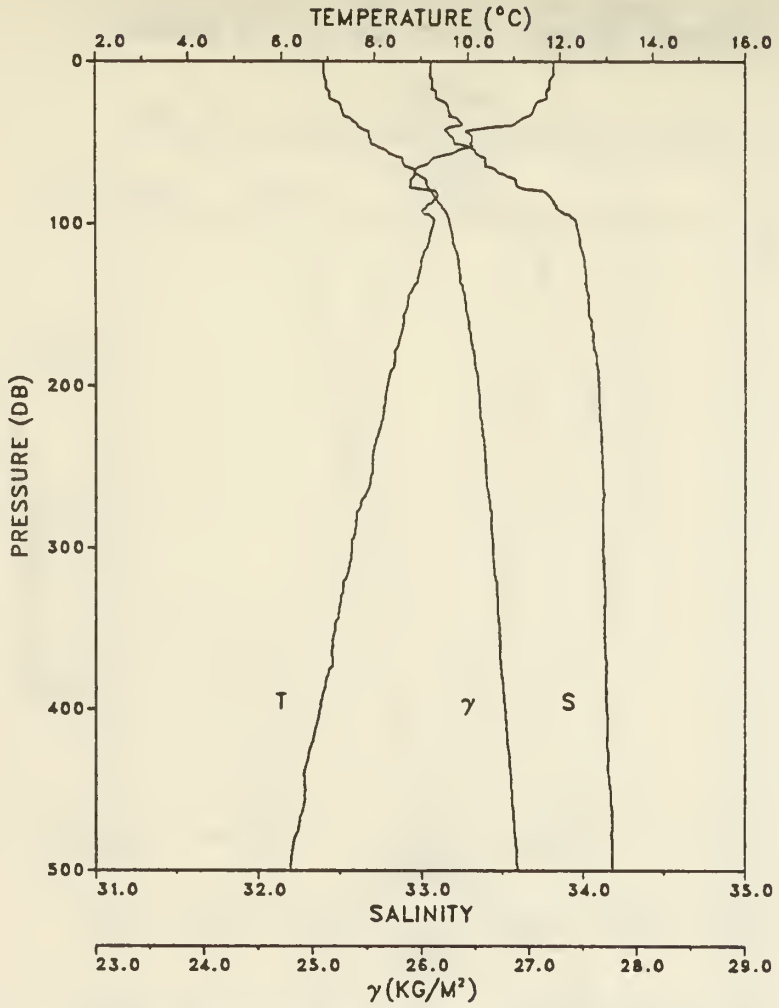

STATION: 83 LAT: 38 21.3 N LON: 124 26.0 W
DATE: 6/26/87 TIME: 0548Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 2 | 12.378 | 32.924 | 24.906 | 303.7 | 0.000 |
| 5 | 12.357 | 32.926 | 24.912 | 303.3 | 0.009 |
| 10 | 12.046 | 32.954 | 24.992 | 295.7 | 0.024 |
| 15 | 11.854 | 32.969 | 25.040 | 291.3 | 0.039 |
| 20 | 11.714 | 33.017 | 25.103 | 285.4 | 0.053 |
| 25 | 11.712 | 33.078 | 25.151 | 281.0 | 0.067 |
| 30 | 11.453 | 33.106 | 25.220 | 274.5 | 0.081 |
| 35 | 11.207 | 33.088 | 25.250 | 271.7 | 0.095 |
| 40 | 11.034 | 33.087 | 25.280 | 268.9 | 0.108 |
| 45 | 10.837 | 33.137 | 25.354 | 262.0 | 0.122 |
| 50 | 10.574 | 33.183 | 25.436 | 254.3 | 0.135 |
| 60 | 10.545 | 33.304 | 25.535 | 245.1 | 0.160 |
| 70 | 10.283 | 33.376 | 25.636 | 235.6 | 0.184 |
| 80 | 9.826 | 33.365 | 25.705 | 229.3 | 0.207 |
| 90 | 9.349 | 33.423 | 25.828 | 217.7 | 0.229 |
| 100 | 9.333 | 33.624 | 25.988 | 202.7 | 0.250 |
| 125 | 8.671 | 33.757 | 26.197 | 183.2 | 0.298 |
| 150 | 8.515 | 33.973 | 26.390 | 165.3 | 0.342 |
| 175 | 8.202 | 34.007 | 26.464 | 158.6 | 0.382 |
| 200 | 7.968 | 34.071 | 26.549 | 150.9 | 0.421 |
| 225 | 7.834 | 34.103 | 26.594 | 147.0 | 0.458 |
| 250 | 7.664 | 34.106 | 26.621 | 144.7 | 0.495 |
| 275 | 7.438 | 34.115 | 26.661 | 141.3 | 0.531 |
| 300 | 7.193 | 34.131 | 26.708 | 137.1 | 0.565 |
| 325 | 7.076 | 34.148 | 26.737 | 134.6 | 0.599 |
| 350 | 6.858 | 34.153 | 26.771 | 131.6 | 0.633 |
| 375 | 6.656 | 34.157 | 26.801 | 128.9 | 0.665 |
| 400 | 6.448 | 34.168 | 26.838 | 125.7 | 0.697 |
| 425 | 6.275 | 34.176 | 26.867 | 123.1 | 0.728 |
| 450 | 6.093 | 34.183 | 26.895 | 120.6 | 0.759 |
| 475 | 5.973 | 34.184 | 26.911 | 119.3 | 0.789 |
| 499 | 5.832 | 34.197 | 26.939 | 116.8 | 0.817 |



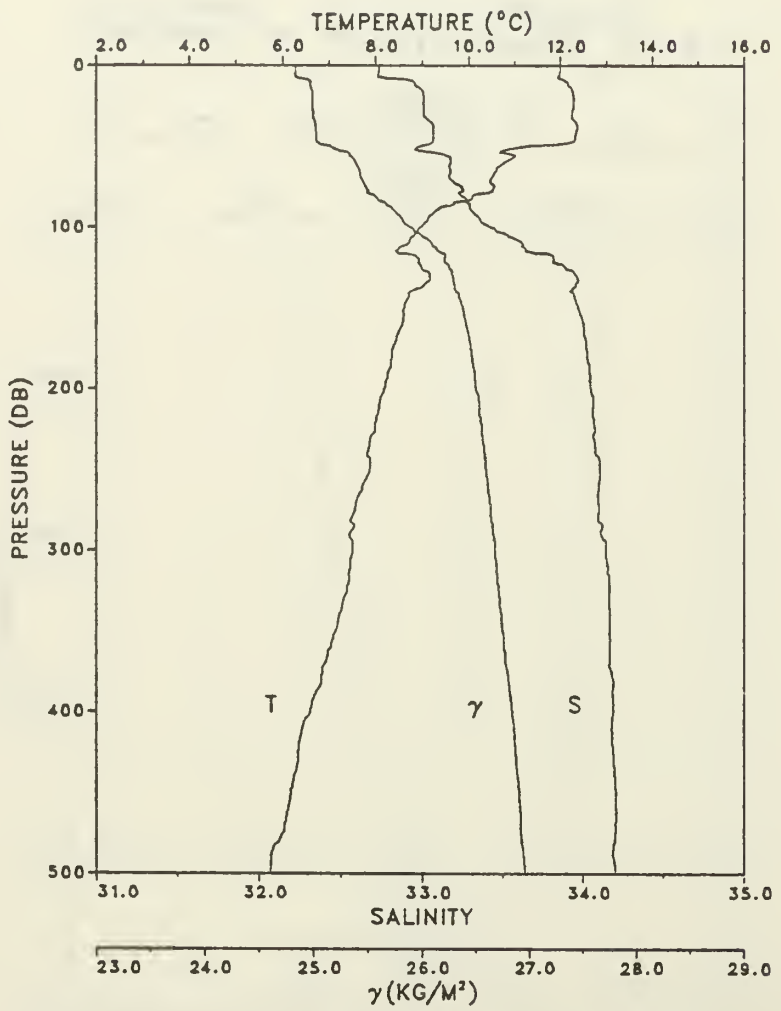

STATION: 84 LAT: 38 28.2 N LON: 124 25.9 W
DATE: 6/26/87 TIME: 0800Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.256 | 32.991 | 24.981 | 296.6 | 0.000 |
| 5 | 12.251 | 32.991 | 24.982 | 296.6 | 0.012 |
| 10 | 12.164 | 32.998 | 25.004 | 294.6 | 0.027 |
| 15 | 12.014 | 33.000 | 25.034 | 291.9 | 0.041 |
| 20 | 11.901 | 33.026 | 25.075 | 288.1 | 0.056 |
| 25 | 11.590 | 33.020 | 25.128 | 283.1 | 0.070 |
| 30 | 11.007 | 32.956 | 25.183 | 277.9 | 0.084 |
| 35 | 10.467 | 33.019 | 25.327 | 264.4 | 0.098 |
| 40 | 10.220 | 33.091 | 25.425 | 255.1 | 0.111 |
| 45 | 10.148 | 33.189 | 25.514 | 246.8 | 0.123 |
| 50 | 10.151 | 33.241 | 25.554 | 243.1 | 0.135 |
| 60 | 9.734 | 33.269 | 25.645 | 234.6 | 0.159 |
| 70 | 9.310 | 33.348 | 25.776 | 222.3 | 0.182 |
| 80 | 8.955 | 33.514 | 25.962 | 204.7 | 0.204 |
| 90 | 9.051 | 33.712 | 26.102 | 191.7 | 0.223 |
| 100 | 9.243 | 33.879 | 26.202 | 182.4 | 0.242 |
| 125 | 9.054 | 33.977 | 26.309 | 172.7 | 0.286 |
| 150 | 8.714 | 34.040 | 26.412 | 163.3 | 0.328 |
| 175 | 8.481 | 34.060 | 26.463 | 158.8 | 0.369 |
| 200 | 8.211 | 34.081 | 26.521 | 153.7 | 0.408 |
| 225 | 8.006 | 34.101 | 26.567 | 149.6 | 0.446 |
| 250 | 7.789 | 34.110 | 26.606 | 146.2 | 0.483 |
| 275 | 7.585 | 34.123 | 26.646 | 142.8 | 0.519 |
| 300 | 7.306 | 34.124 | 26.686 | 139.2 | 0.554 |
| 325 | 7.144 | 34.149 | 26.729 | 135.4 | 0.588 |
| 350 | 6.939 | 34.153 | 26.760 | 132.7 | 0.622 |
| 375 | 6.771 | 34.155 | 26.784 | 130.6 | 0.655 |
| 400 | 6.617 | 34.159 | 26.808 | 128.6 | 0.687 |
| 425 | 6.352 | 34.174 | 26.855 | 124.3 | 0.719 |
| 450 | 6.214 | 34.190 | 26.885 | 121.6 | 0.750 |
| 475 | 6.044 | 34.192 | 26.909 | 119.6 | 0.780 |
| 499 | 5.910 | 34.203 | 26.934 | 117.3 | 0.808 |



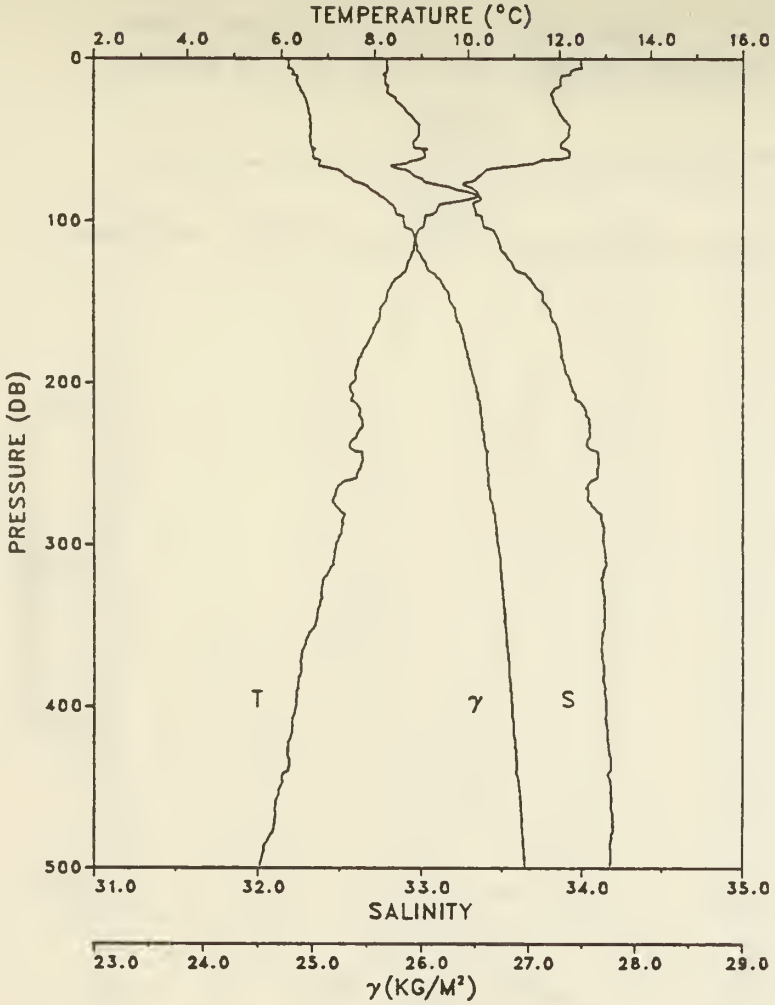

STATION: 85 LAT: 38 35.3 N LON: 124 25.9 W
DATE: 6/26/87 TIME: 0900Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.860 | 33.055 | 25.105 | 284.8 | 0.000 |
| 5 | 11.860 | 33.055 | 25.105 | 284.9 | 0.011 |
| 10 | 11.820 | 33.054 | 25.112 | 284.3 | 0.026 |
| 15 | 11.779 | 33.066 | 25.129 | 282.8 | 0.040 |
| 20 | 11.710 | 33.091 | 25.161 | 279.9 | 0.054 |
| 25 | 11.522 | 33.142 | 25.235 | 272.9 | 0.068 |
| 30 | 11.421 | 33.167 | 25.273 | 269.4 | 0.081 |
| 35 | 11.219 | 33.213 | 25.345 | 262.7 | 0.095 |
| 40 | 10.962 | 33.245 | 25.416 | 256.0 | 0.108 |
| 45 | 10.047 | 33.172 | 25.517 | 246.4 | 0.120 |
| 50 | 10.078 | 33.199 | 25.533 | 245.0 | 0.132 |
| 60 | 9.246 | 33.397 | 25.824 | 217.5 | 0.155 |
| 70 | 8.864 | 33.507 | 25.971 | 203.7 | 0.177 |
| 80 | 9.301 | 33.754 | 26.095 | 192.2 | 0.196 |
| 90 | 9.106 | 33.833 | 26.188 | 183.5 | 0.215 |
| 100 | 9.249 | 33.957 | 26.262 | 176.7 | 0.233 |
| 125 | 8.995 | 34.007 | 26.342 | 169.6 | 0.276 |
| 150 | 8.698 | 34.032 | 26.408 | 163.7 | 0.318 |
| 175 | 8.487 | 34.066 | 26.467 | 158.4 | 0.358 |
| 200 | 8.262 | 34.094 | 26.523 | 153.4 | 0.397 |
| 225 | 8.122 | 34.105 | 26.553 | 151.0 | 0.435 |
| 250 | 7.943 | 34.118 | 26.590 | 147.9 | 0.473 |
| 275 | 7.675 | 34.122 | 26.632 | 144.1 | 0.509 |
| 300 | 7.496 | 34.123 | 26.659 | 141.9 | 0.545 |
| 325 | 7.318 | 34.134 | 26.693 | 139.0 | 0.580 |
| 350 | 7.136 | 34.132 | 26.716 | 137.0 | 0.615 |
| 375 | 7.025 | 34.142 | 26.740 | 135.1 | 0.649 |
| 400 | 6.812 | 34.144 | 26.770 | 132.4 | 0.682 |
| 425 | 6.594 | 34.151 | 26.805 | 129.2 | 0.715 |
| 450 | 6.497 | 34.170 | 26.833 | 126.9 | 0.747 |
| 475 | 6.342 | 34.179 | 26.860 | 124.5 | 0.778 |
| 499 | 6.172 | 34.182 | 26.885 | 122.3 | 0.808 |



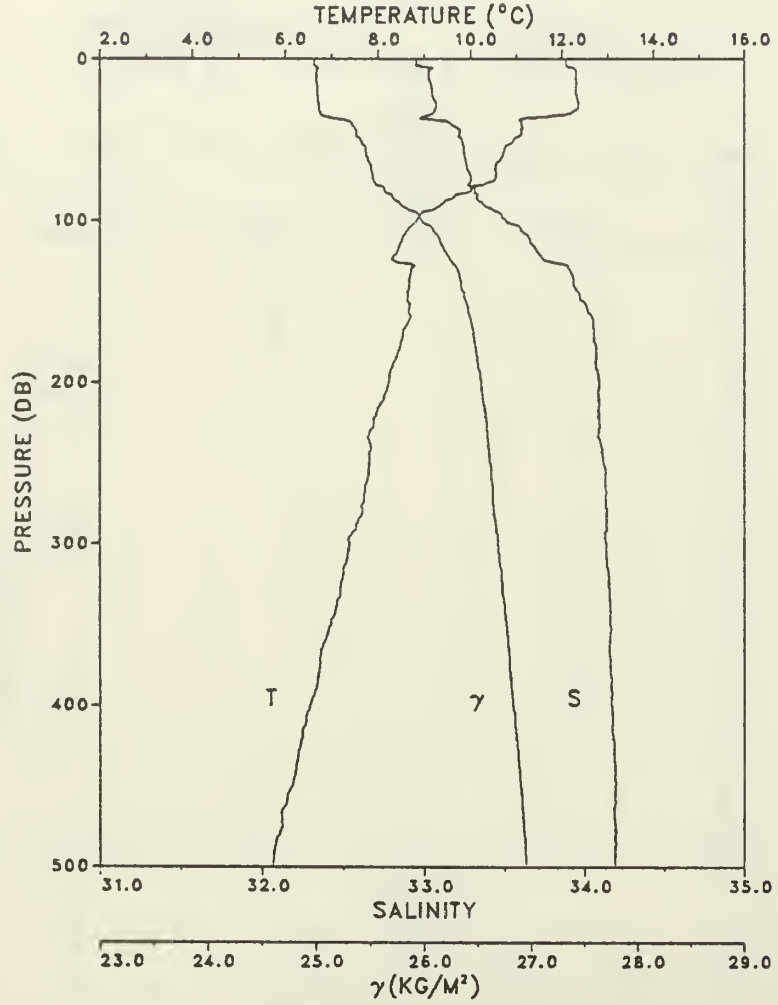

STATION: 86 LAT: 38 42.4 N LON: 124 25.8 W
DATE: 6/26/87 TIME: 1000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.993 | 32.735 | 24.832 | 310.8 | 0.000 |
| 5 | 11.979 | 32.731 | 24.832 | 310.9 | 0.012 |
| 10 | 12.123 | 32.946 | 24.972 | 297.7 | 0.028 |
| 15 | 12.261 | 32.995 | 24.983 | 296.7 | 0.043 |
| 20 | 12.281 | 33.006 | 24.988 | 296.4 | 0.057 |
| 25 | 12.282 | 33.006 | 24.988 | 296.5 | 0.072 |
| 30 | 12.247 | 33.010 | 24.998 | 295.7 | 0.087 |
| 35 | 12.336 | 33.049 | 25.011 | 294.5 | 0.102 |
| 40 | 12.355 | 33.068 | 25.022 | 293.6 | 0.116 |
| 45 | 12.326 | 33.067 | 25.027 | 293.2 | 0.131 |
| 50 | 11.319 | 32.993 | 25.156 | 281.0 | 0.145 |
| 60 | 10.802 | 33.175 | 25.390 | 258.9 | 0.172 |
| 70 | 10.480 | 33.171 | 25.443 | 254.0 | 0.198 |
| 80 | 10.147 | 33.234 | 25.549 | 244.1 | 0.223 |
| 90 | 9.300 | 33.302 | 25.741 | 225.9 | 0.246 |
| 100 | 8.953 | 33.422 | 25.890 | 211.9 | 0.268 |
| 125 | 8.984 | 33.888 | 26.250 | 178.2 | 0.317 |
| 150 | 8.601 | 33.965 | 26.370 | 167.2 | 0.360 |
| 175 | 8.363 | 34.018 | 26.448 | 160.1 | 0.401 |
| 200 | 8.176 | 34.045 | 26.498 | 155.8 | 0.441 |
| 225 | 7.985 | 34.074 | 26.549 | 151.3 | 0.479 |
| 250 | 7.861 | 34.102 | 26.589 | 147.9 | 0.517 |
| 275 | 7.551 | 34.094 | 26.628 | 144.4 | 0.553 |
| 300 | 7.495 | 34.142 | 26.674 | 140.5 | 0.589 |
| 325 | 7.373 | 34.163 | 26.708 | 137.6 | 0.623 |
| 350 | 7.134 | 34.166 | 26.743 | 134.4 | 0.657 |
| 375 | 6.862 | 34.182 | 26.793 | 129.9 | 0.690 |
| 400 | 6.586 | 34.184 | 26.832 | 126.3 | 0.722 |
| 425 | 6.333 | 34.186 | 26.867 | 123.2 | 0.754 |
| 450 | 6.183 | 34.202 | 26.899 | 120.3 | 0.784 |
| 475 | 6.015 | 34.200 | 26.919 | 118.6 | 0.814 |
| 499 | 5.730 | 34.201 | 26.955 | 115.2 | 0.842 |



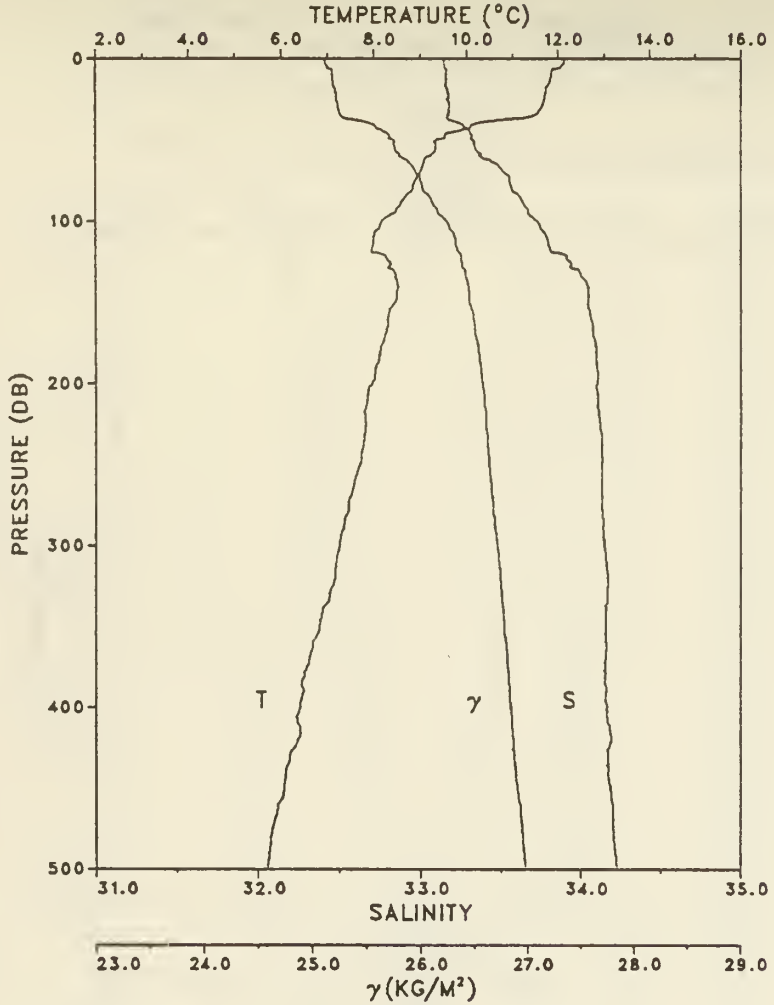

STATION: 87 LAT: 38 49.5 N LON: 124 25.7 W
DATE: 6/26/87 TIME: 1200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.461 | 32.789 | 24.786 | 315.2 | 0.000 |
| 5 | 12.473 | 32.794 | 24.787 | 315.1 | 0.013 |
| 10 | 12.228 | 32.770 | 24.815 | 312.6 | 0.028 |
| 15 | 12.018 | 32.779 | 24.862 | 308.3 | 0.044 |
| 20 | 11.833 | 32.785 | 24.901 | 304.7 | 0.059 |
| 25 | 11.850 | 32.843 | 24.943 | 300.8 | 0.074 |
| 30 | 11.946 | 32.891 | 24.962 | 299.1 | 0.089 |
| 35 | 12.037 | 32.935 | 24.979 | 297.5 | 0.104 |
| 40 | 12.173 | 32.979 | 24.988 | 296.8 | 0.119 |
| 45 | 12.204 | 32.985 | 24.987 | 297.1 | 0.134 |
| 50 | 12.120 | 32.965 | 24.987 | 297.1 | 0.149 |
| 60 | 12.227 | 33.023 | 25.012 | 295.0 | 0.178 |
| 70 | 10.371 | 32.926 | 25.271 | 270.4 | 0.207 |
| 80 | 10.107 | 33.192 | 25.523 | 246.6 | 0.232 |
| 90 | 9.427 | 33.316 | 25.732 | 226.8 | 0.256 |
| 100 | 9.068 | 33.378 | 25.838 | 216.9 | 0.278 |
| 125 | 8.714 | 33.557 | 26.033 | 198.7 | 0.330 |
| 150 | 8.213 | 33.762 | 26.270 | 176.5 | 0.377 |
| 175 | 7.863 | 33.864 | 26.402 | 164.3 | 0.420 |
| 200 | 7.527 | 33.926 | 26.499 | 155.4 | 0.460 |
| 225 | 7.748 | 34.046 | 26.562 | 150.0 | 0.498 |
| 250 | 7.713 | 34.101 | 26.610 | 145.8 | 0.535 |
| 275 | 7.160 | 34.059 | 26.656 | 141.6 | 0.571 |
| 300 | 7.177 | 34.135 | 26.713 | 136.6 | 0.606 |
| 325 | 6.878 | 34.127 | 26.748 | 133.4 | 0.639 |
| 350 | 6.715 | 34.139 | 26.779 | 130.7 | 0.672 |
| 375 | 6.422 | 34.134 | 26.814 | 127.5 | 0.705 |
| 400 | 6.306 | 34.148 | 26.840 | 125.3 | 0.736 |
| 425 | 6.142 | 34.165 | 26.875 | 122.2 | 0.767 |
| 450 | 5.948 | 34.178 | 26.910 | 119.1 | 0.797 |
| 475 | 5.829 | 34.192 | 26.936 | 116.8 | 0.827 |
| 499 | 5.528 | 34.174 | 26.958 | 114.7 | 0.855 |



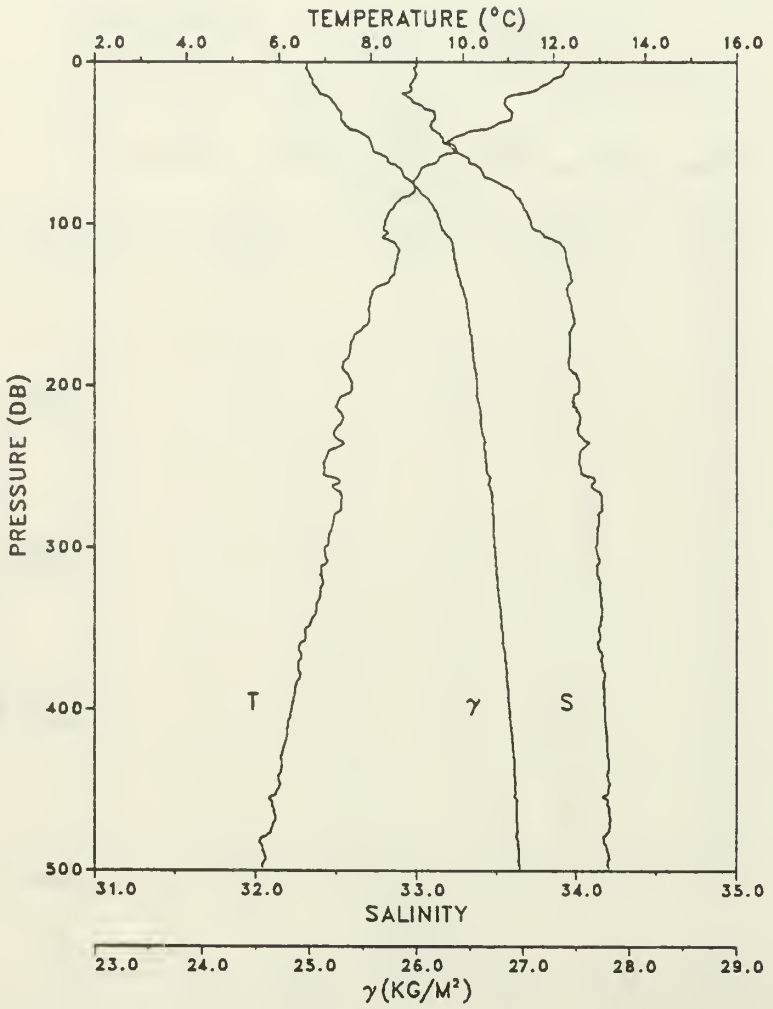

STATION: 88 LAT: 38 41.1 N LON: 124 22.8 W
DATE: 6/26/87 TIME: 1300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.086 | 32.950 | 24.982 | 296.5 | 0.000 |
| 5 | 12.136 | 32.988 | 25.002 | 294.7 | 0.012 |
| 10 | 12.299 | 33.028 | 25.002 | 294.8 | 0.027 |
| 15 | 12.316 | 33.038 | 25.006 | 294.5 | 0.041 |
| 20 | 12.306 | 33.045 | 25.014 | 293.9 | 0.056 |
| 25 | 12.341 | 33.059 | 25.018 | 293.6 | 0.071 |
| 30 | 12.351 | 33.071 | 25.025 | 293.1 | 0.085 |
| 35 | 12.047 | 33.028 | 25.049 | 290.9 | 0.100 |
| 40 | 11.105 | 33.161 | 25.325 | 264.7 | 0.114 |
| 45 | 11.107 | 33.217 | 25.369 | 260.7 | 0.127 |
| 50 | 10.936 | 33.229 | 25.408 | 257.0 | 0.140 |
| 60 | 10.701 | 33.246 | 25.463 | 252.0 | 0.165 |
| 70 | 10.558 | 33.279 | 25.514 | 247.3 | 0.190 |
| 80 | 10.014 | 33.310 | 25.630 | 236.4 | 0.215 |
| 90 | 9.389 | 33.362 | 25.774 | 222.8 | 0.237 |
| 100 | 8.821 | 33.506 | 25.977 | 203.7 | 0.259 |
| 125 | 8.337 | 33.759 | 26.249 | 178.1 | 0.307 |
| 150 | 8.634 | 33.995 | 26.389 | 165.4 | 0.349 |
| 175 | 8.475 | 34.062 | 26.466 | 158.5 | 0.390 |
| 200 | 8.225 | 34.091 | 26.527 | 153.1 | 0.429 |
| 225 | 7.890 | 34.092 | 26.577 | 148.6 | 0.467 |
| 250 | 7.799 | 34.120 | 26.613 | 145.6 | 0.503 |
| 275 | 7.662 | 34.128 | 26.639 | 143.5 | 0.540 |
| 300 | 7.380 | 34.135 | 26.685 | 139.4 | 0.575 |
| 325 | 7.188 | 34.152 | 26.725 | 135.8 | 0.609 |
| 350 | 6.970 | 34.160 | 26.761 | 132.6 | 0.643 |
| 375 | 6.740 | 34.160 | 26.793 | 129.8 | 0.676 |
| 400 | 6.527 | 34.169 | 26.828 | 126.7 | 0.708 |
| 425 | 6.325 | 34.186 | 26.868 | 123.1 | 0.739 |
| 450 | 6.149 | 34.191 | 26.895 | 120.7 | 0.769 |
| 475 | 5.934 | 34.192 | 26.923 | 118.2 | 0.799 |
| 499 | 5.730 | 34.189 | 26.946 | 116.1 | 0.827 |



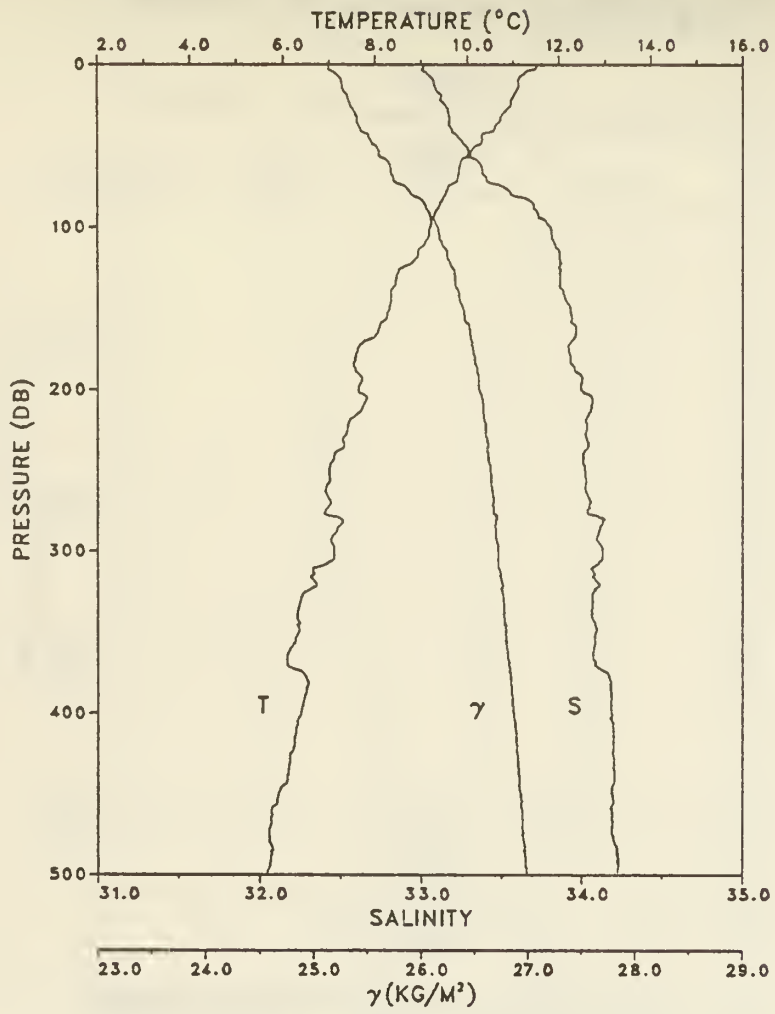

STATION: 89 LAT: 38 34.1 N LON: 124 19.4 W
DATE: 6/26/87 TIME: 1400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.140 | 33.143 | 25.121 | 283.3 | 0.000 |
| 5 | 12.058 | 33.148 | 25.141 | 281.5 | 0.011 |
| 10 | 11.854 | 33.159 | 25.187 | 277.2 | 0.025 |
| 15 | 11.815 | 33.158 | 25.194 | 276.7 | 0.039 |
| 20 | 11.734 | 33.172 | 25.220 | 274.3 | 0.053 |
| 25 | 11.701 | 33.167 | 25.222 | 274.2 | 0.067 |
| 30 | 11.633 | 33.178 | 25.243 | 272.3 | 0.080 |
| 35 | 11.504 | 33.177 | 25.266 | 270.2 | 0.094 |
| 40 | 10.270 | 33.245 | 25.537 | 244.5 | 0.107 |
| 45 | 9.834 | 33.305 | 25.657 | 233.2 | 0.119 |
| 50 | 9.348 | 33.320 | 25.748 | 224.6 | 0.130 |
| 60 | 9.226 | 33.366 | 25.803 | 219.5 | 0.152 |
| 70 | 8.993 | 33.522 | 25.962 | 204.5 | 0.173 |
| 80 | 8.835 | 33.568 | 26.023 | 198.9 | 0.194 |
| 90 | 8.576 | 33.643 | 26.122 | 189.7 | 0.213 |
| 100 | 8.173 | 33.726 | 26.248 | 177.8 | 0.231 |
| 125 | 8.365 | 33.940 | 26.387 | 165.1 | 0.274 |
| 150 | 8.451 | 34.042 | 26.454 | 159.2 | 0.315 |
| 175 | 8.182 | 34.089 | 26.531 | 152.2 | 0.354 |
| 200 | 7.964 | 34.104 | 26.576 | 148.4 | 0.391 |
| 225 | 7.819 | 34.119 | 26.609 | 145.6 | 0.428 |
| 250 | 7.693 | 34.132 | 26.637 | 143.2 | 0.464 |
| 275 | 7.445 | 34.131 | 26.672 | 140.2 | 0.500 |
| 300 | 7.255 | 34.146 | 26.711 | 136.8 | 0.534 |
| 325 | 7.092 | 34.165 | 26.749 | 133.5 | 0.568 |
| 350 | 6.816 | 34.155 | 26.778 | 130.9 | 0.601 |
| 375 | 6.547 | 34.150 | 26.810 | 128.0 | 0.633 |
| 400 | 6.410 | 34.160 | 26.836 | 125.8 | 0.665 |
| 425 | 6.295 | 34.179 | 26.866 | 123.2 | 0.696 |
| 450 | 6.056 | 34.185 | 26.902 | 120.0 | 0.727 |
| 475 | 5.800 | 34.201 | 26.946 | 115.8 | 0.756 |
| 499 | 5.694 | 34.222 | 26.976 | 113.2 | 0.784 |



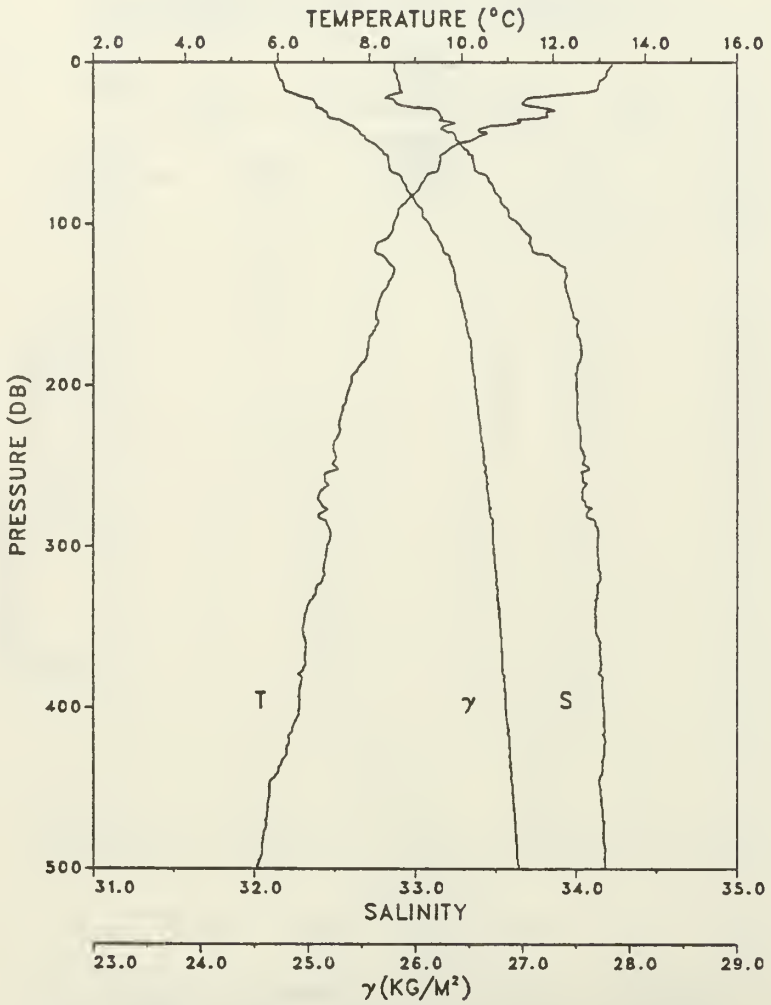

STATION: 90 LAT: 38 26.8 N LON: 124 17.1 W
DATE: 6/26/87 TIME: 1500Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.325 | 32.999 | 24.974 | 297.2 | 0.000 |
| 5 | 12.230 | 32.987 | 24.983 | 296.5 | 0.012 |
| 10 | 12.067 | 32.994 | 25.019 | 293.2 | 0.027 |
| 15 | 11.765 | 32.955 | 25.045 | 290.8 | 0.041 |
| 20 | 11.300 | 32.909 | 25.094 | 286.2 | 0.056 |
| 25 | 10.917 | 32.980 | 25.218 | 274.6 | 0.070 |
| 30 | 11.052 | 33.088 | 25.278 | 268.9 | 0.083 |
| 35 | 11.073 | 33.111 | 25.292 | 267.7 | 0.097 |
| 40 | 10.684 | 33.083 | 25.339 | 263.3 | 0.110 |
| 45 | 10.041 | 33.143 | 25.496 | 248.5 | 0.123 |
| 50 | 9.719 | 33.169 | 25.569 | 241.5 | 0.135 |
| 60 | 9.472 | 33.324 | 25.731 | 226.4 | 0.158 |
| 70 | 9.025 | 33.422 | 25.879 | 212.4 | 0.180 |
| 80 | 8.947 | 33.604 | 26.034 | 197.9 | 0.201 |
| 90 | 8.491 | 33.671 | 26.157 | 186.3 | 0.220 |
| 100 | 8.299 | 33.714 | 26.220 | 180.5 | 0.238 |
| 125 | 8.540 | 33.944 | 26.363 | 167.4 | 0.282 |
| 150 | 7.980 | 33.968 | 26.467 | 157.9 | 0.323 |
| 175 | 7.555 | 33.960 | 26.522 | 152.9 | 0.361 |
| 200 | 7.591 | 34.020 | 26.564 | 149.3 | 0.399 |
| 225 | 7.274 | 34.009 | 26.600 | 146.1 | 0.436 |
| 250 | 6.990 | 34.028 | 26.655 | 141.2 | 0.472 |
| 275 | 7.346 | 34.160 | 26.709 | 136.7 | 0.507 |
| 300 | 6.991 | 34.123 | 26.729 | 134.9 | 0.541 |
| 325 | 6.908 | 34.147 | 26.760 | 132.4 | 0.574 |
| 350 | 6.581 | 34.139 | 26.797 | 128.9 | 0.607 |
| 375 | 6.420 | 34.166 | 26.840 | 125.1 | 0.639 |
| 400 | 6.268 | 34.178 | 26.869 | 122.6 | 0.669 |
| 425 | 6.091 | 34.194 | 26.904 | 119.4 | 0.700 |
| 450 | 5.952 | 34.197 | 26.924 | 117.7 | 0.729 |
| 475 | 5.823 | 34.207 | 26.948 | 115.6 | 0.759 |
| 499 | 5.655 | 34.206 | 26.968 | 113.9 | 0.786 |



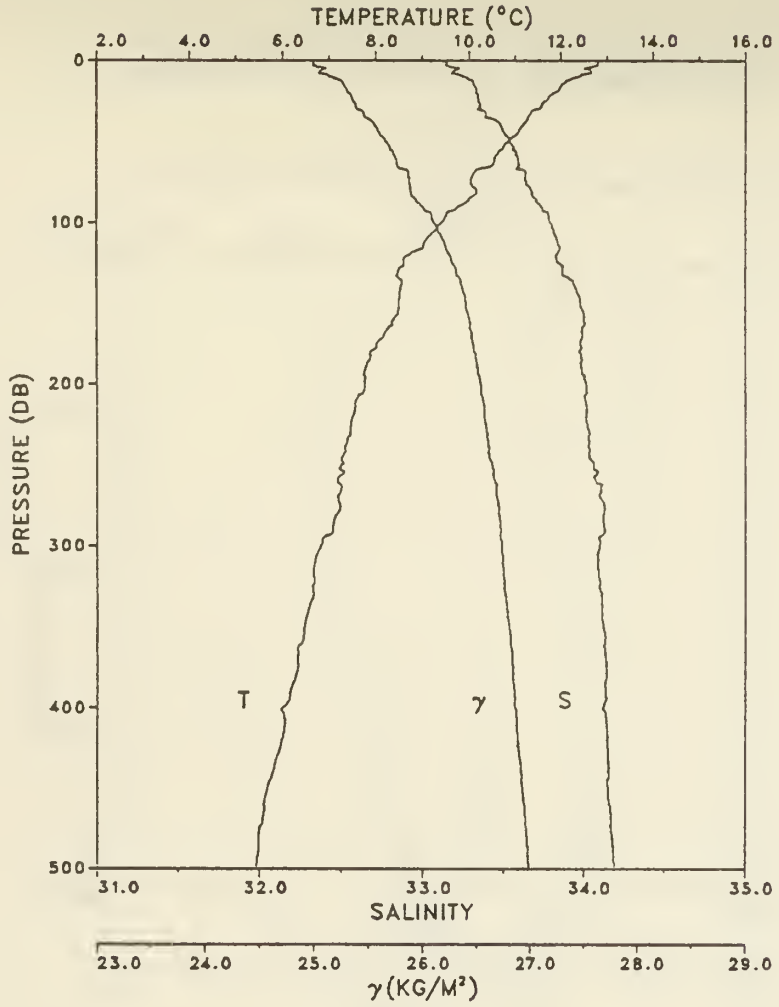

STATION: 905 LAT: 38 23.9 N LON: 124 15.1 W
DATE: 6/26/87 TIME: 1700Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.514 | 33.012 | 25.136 | 281.9 | 0.000 |
| 5 | 11.270 | 33.033 | 25.196 | 276.2 | 0.011 |
| 10 | 11.110 | 33.074 | 25.257 | 270.5 | 0.025 |
| 15 | 11.112 | 33.089 | 25.268 | 269.6 | 0.038 |
| 20 | 11.002 | 33.120 | 25.312 | 265.5 | 0.052 |
| 25 | 10.948 | 33.151 | 25.346 | 262.4 | 0.065 |
| 30 | 10.784 | 33.168 | 25.388 | 258.5 | 0.078 |
| 35 | 10.701 | 33.171 | 25.405 | 257.0 | 0.091 |
| 40 | 10.597 | 33.189 | 25.437 | 254.0 | 0.104 |
| 45 | 10.312 | 33.227 | 25.515 | 246.6 | 0.116 |
| 50 | 10.192 | 33.279 | 25.576 | 240.9 | 0.128 |
| 60 | 9.856 | 33.357 | 25.694 | 230.0 | 0.152 |
| 70 | 9.790 | 33.406 | 25.743 | 225.5 | 0.175 |
| 80 | 9.522 | 33.558 | 25.906 | 210.2 | 0.196 |
| 90 | 9.326 | 33.717 | 26.062 | 195.5 | 0.217 |
| 100 | 9.175 | 33.805 | 26.155 | 186.8 | 0.236 |
| 125 | 8.599 | 33.854 | 26.284 | 174.9 | 0.281 |
| 150 | 8.299 | 33.927 | 26.387 | 165.5 | 0.324 |
| 175 | 7.624 | 33.920 | 26.481 | 156.8 | 0.364 |
| 200 | 7.630 | 33.995 | 26.539 | 151.7 | 0.402 |
| 225 | 7.393 | 34.029 | 26.599 | 146.3 | 0.440 |
| 250 | 7.002 | 34.021 | 26.647 | 141.9 | 0.476 |
| 275 | 6.916 | 34.038 | 26.673 | 139.8 | 0.511 |
| 300 | 7.106 | 34.130 | 26.719 | 136.0 | 0.545 |
| 325 | 6.511 | 34.071 | 26.753 | 132.7 | 0.579 |
| 350 | 6.326 | 34.088 | 26.790 | 129.4 | 0.612 |
| 375 | 6.435 | 34.163 | 26.835 | 125.5 | 0.644 |
| 400 | 6.386 | 34.190 | 26.863 | 123.2 | 0.675 |
| 425 | 6.165 | 34.196 | 26.897 | 120.2 | 0.705 |
| 450 | 5.896 | 34.192 | 26.927 | 117.4 | 0.735 |
| 475 | 5.696 | 34.188 | 26.949 | 115.4 | 0.764 |
| 499 | 5.649 | 34.224 | 26.983 | 112.5 | 0.791 |



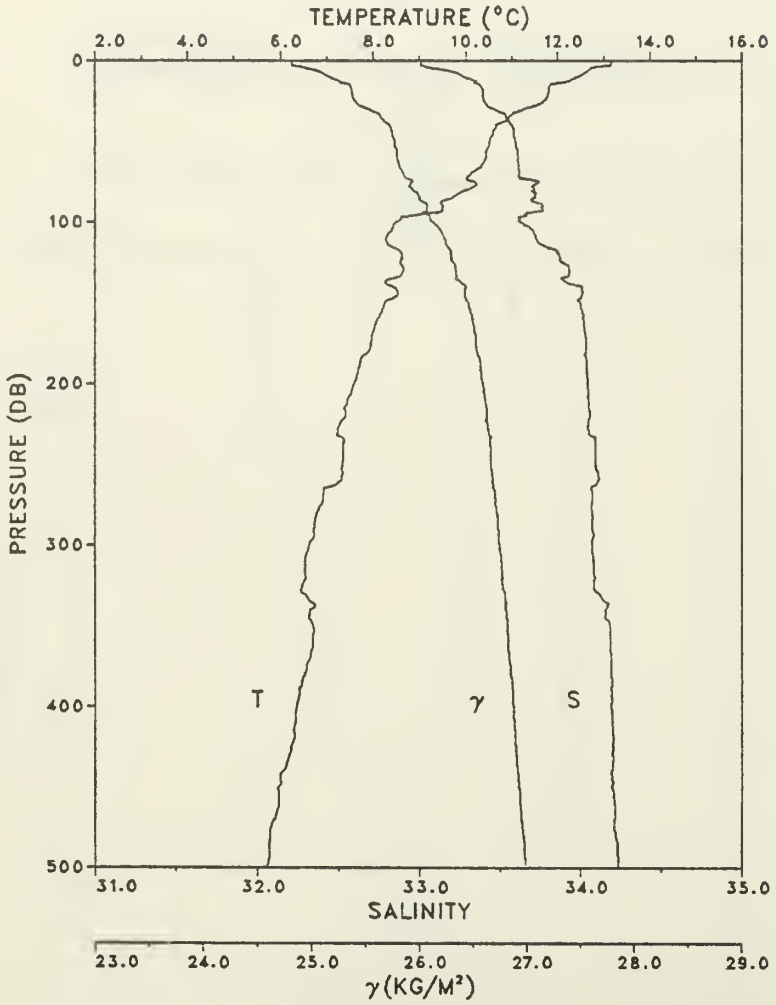

STATION: 91 LAT: 38 20.2 N LON: 124 12.6 W
DATE: 6/26/87 TIME: 1800Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.288 | 32.871 | 24.687 | 324.6 | 0.000 |
| 5 | 13.199 | 32.865 | 24.701 | 323.4 | 0.013 |
| 10 | 13.119 | 32.883 | 24.730 | 320.7 | 0.029 |
| 15 | 12.974 | 32.904 | 24.775 | 316.5 | 0.045 |
| 20 | 12.386 | 32.882 | 24.872 | 307.4 | 0.061 |
| 25 | 11.330 | 32.871 | 25.059 | 289.6 | 0.076 |
| 30 | 12.022 | 33.137 | 25.139 | 282.2 | 0.090 |
| 35 | 11.680 | 33.168 | 25.226 | 274.0 | 0.104 |
| 40 | 10.599 | 33.175 | 25.425 | 255.1 | 0.117 |
| 45 | 10.529 | 33.244 | 25.491 | 248.9 | 0.130 |
| 50 | 9.988 | 33.268 | 25.602 | 238.5 | 0.142 |
| 60 | 9.536 | 33.354 | 25.744 | 225.1 | 0.165 |
| 70 | 9.258 | 33.429 | 25.847 | 215.5 | 0.187 |
| 80 | 9.046 | 33.490 | 25.929 | 207.9 | 0.208 |
| 90 | 8.660 | 33.558 | 26.042 | 197.2 | 0.228 |
| 100 | 8.523 | 33.642 | 26.129 | 189.1 | 0.248 |
| 125 | 8.447 | 33.890 | 26.335 | 170.0 | 0.293 |
| 150 | 8.184 | 33.962 | 26.431 | 161.3 | 0.334 |
| 175 | 7.965 | 34.027 | 26.515 | 153.7 | 0.373 |
| 200 | 7.570 | 33.997 | 26.549 | 150.7 | 0.411 |
| 225 | 7.336 | 34.016 | 26.597 | 146.5 | 0.449 |
| 250 | 7.247 | 34.068 | 26.651 | 141.7 | 0.485 |
| 275 | 6.966 | 34.062 | 26.685 | 138.7 | 0.520 |
| 300 | 7.073 | 34.129 | 26.723 | 135.6 | 0.554 |
| 325 | 6.842 | 34.132 | 26.757 | 132.6 | 0.587 |
| 350 | 6.543 | 34.119 | 26.787 | 129.9 | 0.620 |
| 375 | 6.565 | 34.148 | 26.806 | 128.4 | 0.653 |
| 400 | 6.465 | 34.170 | 26.837 | 125.8 | 0.684 |
| 425 | 6.198 | 34.176 | 26.876 | 122.1 | 0.715 |
| 450 | 5.825 | 34.148 | 26.901 | 119.7 | 0.746 |
| 475 | 5.733 | 34.169 | 26.929 | 117.3 | 0.775 |
| 499 | 5.541 | 34.178 | 26.960 | 114.5 | 0.803 |



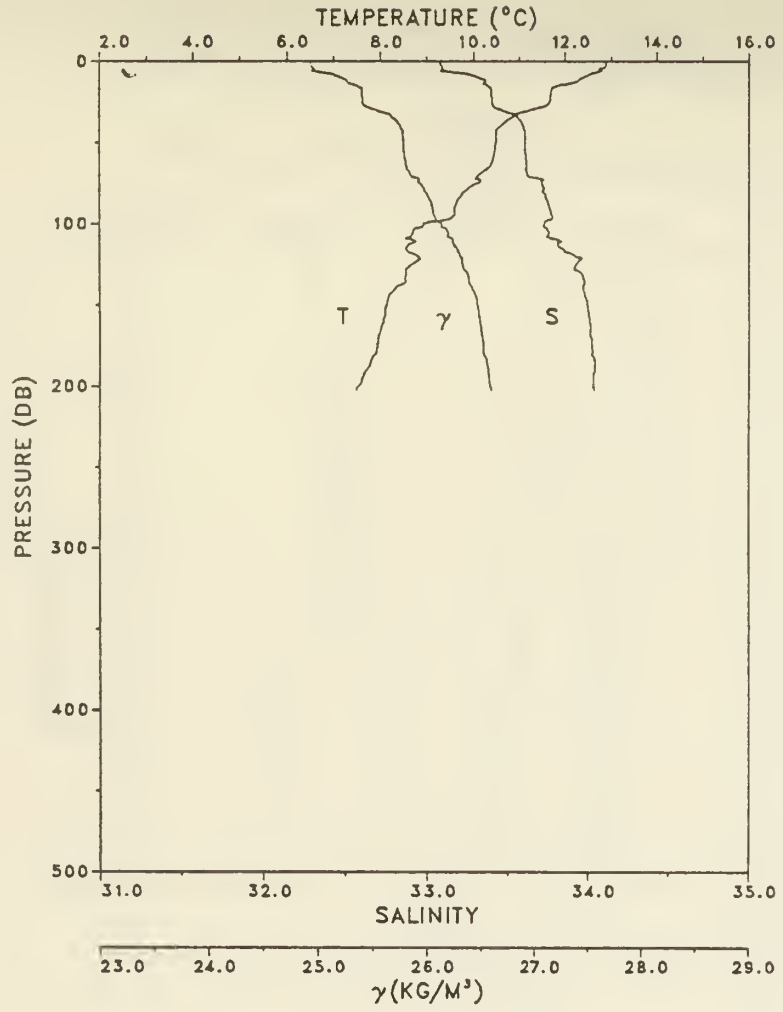

STATION: 92 LAT: 38 12.3 N LON: 124 9.3 W
DATE: 6/26/87 TIME: 2100Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.797 | 33.143 | 24.995 | 295.3 | 0.000 |
| 5 | 12.509 | 33.228 | 25.117 | 283.8 | 0.012 |
| 10 | 12.433 | 33.247 | 25.146 | 281.1 | 0.026 |
| 15 | 12.019 | 33.314 | 25.277 | 268.8 | 0.039 |
| 20 | 11.870 | 33.327 | 25.315 | 265.3 | 0.053 |
| 25 | 11.666 | 33.342 | 25.364 | 260.7 | 0.066 |
| 30 | 11.498 | 33.336 | 25.390 | 258.3 | 0.079 |
| 35 | 11.271 | 33.384 | 25.469 | 250.9 | 0.092 |
| 40 | 11.175 | 33.483 | 25.563 | 242.0 | 0.104 |
| 45 | 11.054 | 33.508 | 25.605 | 238.2 | 0.116 |
| 50 | 10.842 | 33.536 | 25.664 | 232.7 | 0.128 |
| 60 | 10.556 | 33.591 | 25.757 | 224.0 | 0.151 |
| 70 | 10.090 | 33.636 | 25.872 | 213.2 | 0.172 |
| 80 | 10.154 | 33.675 | 25.892 | 211.6 | 0.194 |
| 90 | 9.801 | 33.728 | 25.992 | 202.2 | 0.214 |
| 100 | 9.408 | 33.790 | 26.106 | 191.6 | 0.234 |
| 125 | 8.606 | 33.846 | 26.276 | 175.6 | 0.280 |
| 150 | 8.494 | 33.981 | 26.399 | 164.4 | 0.322 |
| 175 | 8.012 | 33.979 | 26.470 | 157.9 | 0.363 |
| 200 | 7.765 | 34.019 | 26.538 | 151.8 | 0.401 |
| 225 | 7.470 | 34.021 | 26.582 | 147.9 | 0.439 |
| 250 | 7.244 | 34.064 | 26.648 | 142.0 | 0.475 |
| 275 | 7.224 | 34.127 | 26.700 | 137.4 | 0.510 |
| 301 | 6.808 | 34.097 | 26.734 | 134.4 | 0.545 |
| 325 | 6.636 | 34.097 | 26.757 | 132.4 | 0.577 |
| 350 | 6.458 | 34.119 | 26.798 | 128.8 | 0.610 |
| 375 | 6.323 | 34.141 | 26.833 | 125.7 | 0.642 |
| 400 | 5.983 | 34.117 | 26.857 | 123.4 | 0.673 |
| 425 | 5.939 | 34.150 | 26.889 | 120.7 | 0.704 |
| 450 | 5.660 | 34.149 | 26.923 | 117.6 | 0.733 |
| 475 | 5.496 | 34.172 | 26.961 | 114.1 | 0.762 |
| 499 | 5.418 | 34.191 | 26.985 | 112.0 | 0.789 |



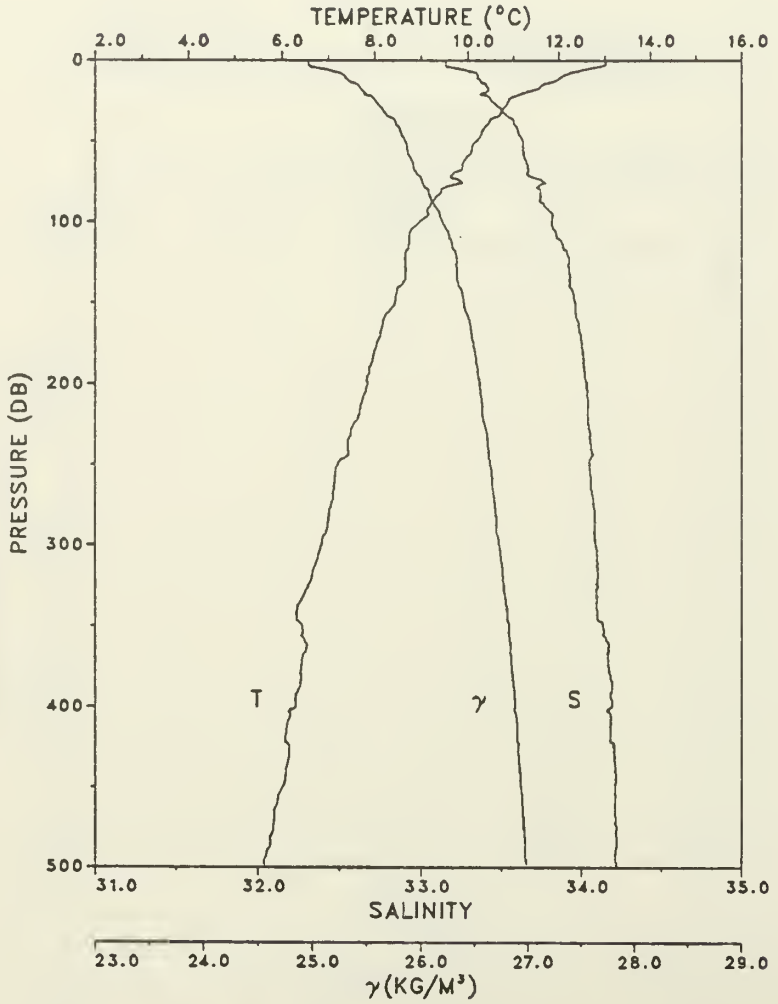

STATION: 93 LAT: 38 6.1 N LON: 124 6.1 W
DATE: 6/26/87 TIME: 2200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.154 | 33.007 | 24.819 | 312.0 | 0.000 |
| 5 | 12.717 | 33.082 | 24.963 | 298.4 | 0.012 |
| 10 | 12.464 | 33.268 | 25.156 | 280.1 | 0.027 |
| 15 | 11.845 | 33.372 | 25.354 | 261.4 | 0.040 |
| 20 | 11.786 | 33.395 | 25.383 | 258.8 | 0.053 |
| 25 | 11.695 | 33.402 | 25.406 | 256.8 | 0.066 |
| 30 | 11.280 | 33.460 | 25.527 | 245.3 | 0.079 |
| 35 | 10.938 | 33.534 | 25.645 | 234.1 | 0.091 |
| 40 | 10.658 | 33.570 | 25.723 | 226.9 | 0.102 |
| 45 | 10.582 | 33.583 | 25.746 | 224.7 | 0.113 |
| 50 | 10.511 | 33.593 | 25.766 | 222.9 | 0.125 |
| 60 | 10.431 | 33.609 | 25.793 | 220.6 | 0.147 |
| 70 | 10.112 | 33.616 | 25.853 | 215.1 | 0.169 |
| 80 | 10.063 | 33.713 | 25.937 | 207.3 | 0.190 |
| 90 | 9.515 | 33.767 | 26.070 | 194.8 | 0.210 |
| 100 | 8.490 | 33.626 | 26.122 | 189.8 | 0.229 |
| 125 | 8.574 | 33.891 | 26.317 | 171.8 | 0.274 |
| 150 | 8.234 | 33.999 | 26.453 | 159.2 | 0.316 |
| 175 | 7.947 | 34.032 | 26.522 | 153.1 | 0.355 |
| 200 | 7.569 | 34.041 | 26.584 | 147.4 | 0.392 |
| 225 | 7.275 | 34.045 | 26.629 | 143.5 | 0.429 |
| 250 | 7.324 | 34.092 | 26.659 | 141.0 | 0.464 |
| 275 | 6.864 | 34.066 | 26.702 | 137.1 | 0.499 |
| 300 | 6.611 | 34.071 | 26.740 | 133.7 | 0.533 |
| 325 | 6.459 | 34.080 | 26.767 | 131.4 | 0.566 |
| 350 | 6.701 | 34.179 | 26.813 | 127.5 | 0.598 |
| 375 | 6.562 | 34.190 | 26.840 | 125.2 | 0.630 |
| 400 | 6.332 | 34.189 | 26.869 | 122.6 | 0.661 |
| 425 | 6.218 | 34.204 | 26.896 | 120.3 | 0.691 |
| 450 | 5.934 | 34.192 | 26.923 | 117.9 | 0.721 |
| 475 | 5.785 | 34.209 | 26.955 | 115.0 | 0.750 |
| 499 | 5.698 | 34.232 | 26.984 | 112.5 | 0.777 |



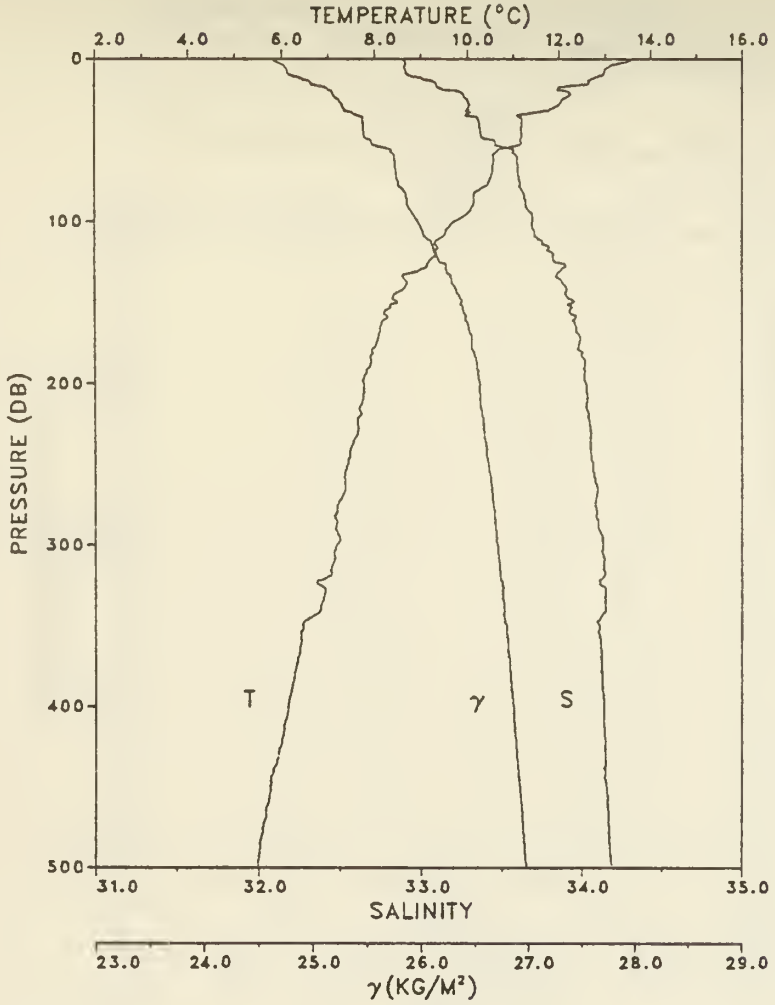

STATION: 935 LAT: 38 5.7 N LON: 124 5.3 W
DATE: 6/26/87 TIME: 2306Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.880 | 33.079 | 24.929 | 301.5 | 0.000 |
| 5 | 12.729 | 33.092 | 24.969 | 297.9 | 0.012 |
| 10 | 12.416 | 33.311 | 25.199 | 276.1 | 0.026 |
| 15 | 11.888 | 33.370 | 25.345 | 262.3 | 0.040 |
| 20 | 11.681 | 33.397 | 25.404 | 256.8 | 0.053 |
| 25 | 11.660 | 33.400 | 25.410 | 256.3 | 0.066 |
| 30 | 11.260 | 33.458 | 25.529 | 245.1 | 0.078 |
| 35 | 10.832 | 33.557 | 25.682 | 230.6 | 0.090 |
| 40 | 10.597 | 33.594 | 25.752 | 224.1 | 0.101 |
| 45 | 10.488 | 33.605 | 25.780 | 221.5 | 0.113 |
| 50 | 10.480 | 33.604 | 25.780 | 221.6 | 0.124 |
| 60 | 10.422 | 33.612 | 25.797 | 220.2 | 0.146 |
| 70 | 10.127 | 33.617 | 25.851 | 215.2 | 0.167 |
| 80 | 9.812 | 33.714 | 25.980 | 203.2 | 0.188 |
| 90 | 9.597 | 33.760 | 26.051 | 196.6 | 0.208 |
| 100 | 8.919 | 33.727 | 26.134 | 188.7 | 0.228 |
| 125 | 8.684 | 33.926 | 26.327 | 170.9 | 0.273 |
| 150 | 8.123 | 33.996 | 26.467 | 157.9 | 0.314 |
| 175 | 7.932 | 34.026 | 26.519 | 153.3 | 0.353 |
| 200 | 7.517 | 34.033 | 26.585 | 147.3 | 0.390 |
| 202 | 7.476 | 34.035 | 26.592 | 146.6 | 0.393 |



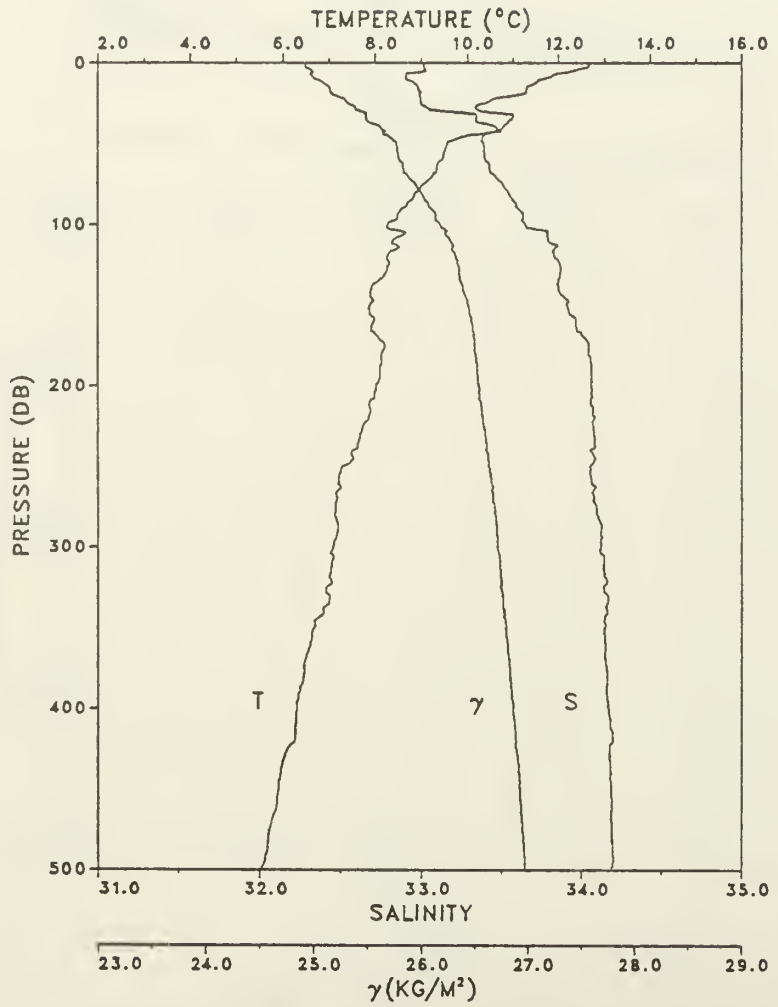

STATION: 941 LAT: 38 13.1 N LON: 124 6.5 W
DATE: 6/27/87 TIME: 0053Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.020 | 33.152 | 24.958 | 298.8 | 0.000 |
| 5 | 12.694 | 33.209 | 25.066 | 288.6 | 0.012 |
| 10 | 12.077 | 33.352 | 25.295 | 266.9 | 0.026 |
| 15 | 11.663 | 33.400 | 25.410 | 256.1 | 0.039 |
| 20 | 11.246 | 33.393 | 25.481 | 249.5 | 0.051 |
| 25 | 10.890 | 33.436 | 25.578 | 240.3 | 0.064 |
| 30 | 10.764 | 33.492 | 25.644 | 234.2 | 0.075 |
| 35 | 10.655 | 33.538 | 25.698 | 229.1 | 0.087 |
| 40 | 10.437 | 33.578 | 25.768 | 222.6 | 0.098 |
| 45 | 10.304 | 33.603 | 25.810 | 218.7 | 0.109 |
| 50 | 10.197 | 33.629 | 25.848 | 215.1 | 0.120 |
| 60 | 9.978 | 33.640 | 25.894 | 210.9 | 0.142 |
| 70 | 9.697 | 33.656 | 25.953 | 205.5 | 0.162 |
| 80 | 9.414 | 33.738 | 26.064 | 195.1 | 0.182 |
| 90 | 9.187 | 33.764 | 26.121 | 189.9 | 0.202 |
| 100 | 8.961 | 33.812 | 26.194 | 183.0 | 0.220 |
| 125 | 8.653 | 33.918 | 26.326 | 171.0 | 0.265 |
| 150 | 8.427 | 33.957 | 26.391 | 165.2 | 0.307 |
| 175 | 8.037 | 34.001 | 26.484 | 156.7 | 0.347 |
| 200 | 7.842 | 34.029 | 26.535 | 152.2 | 0.385 |
| 225 | 7.538 | 34.040 | 26.587 | 147.5 | 0.423 |
| 250 | 7.202 | 34.045 | 26.639 | 142.8 | 0.459 |
| 275 | 7.061 | 34.073 | 26.680 | 139.2 | 0.494 |
| 300 | 6.844 | 34.088 | 26.722 | 135.5 | 0.529 |
| 325 | 6.564 | 34.100 | 26.769 | 131.2 | 0.562 |
| 350 | 6.436 | 34.133 | 26.812 | 127.4 | 0.594 |
| 375 | 6.416 | 34.170 | 26.843 | 124.8 | 0.626 |
| 400 | 6.294 | 34.189 | 26.874 | 122.1 | 0.657 |
| 425 | 6.156 | 34.203 | 26.903 | 119.6 | 0.687 |
| 450 | 6.012 | 34.211 | 26.928 | 117.4 | 0.717 |
| 475 | 5.820 | 34.217 | 26.957 | 114.9 | 0.746 |
| 499 | 5.608 | 34.214 | 26.980 | 112.7 | 0.773 |



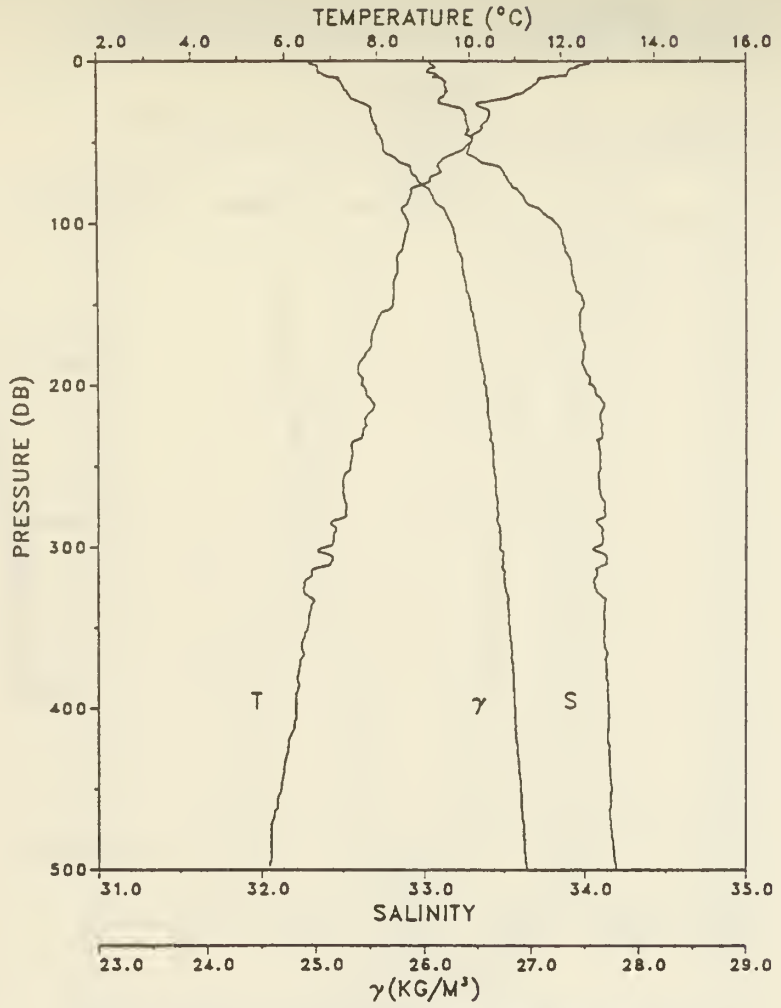

STATION: 95 LAT: 38 20.4 N LON: 124 6.4 W
DATE: 6/27/87 TIME: 0200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.568 | 32.889 | 24.645 | 328.6 | 0.000 |
| 5 | 13.093 | 32.896 | 24.746 | 319.1 | 0.013 |
| 10 | 12.967 | 32.918 | 24.787 | 315.3 | 0.029 |
| 15 | 12.642 | 33.093 | 24.986 | 296.4 | 0.044 |
| 20 | 12.136 | 33.220 | 25.182 | 277.9 | 0.058 |
| 25 | 12.059 | 33.287 | 25.248 | 271.7 | 0.072 |
| 30 | 11.889 | 33.289 | 25.282 | 268.6 | 0.086 |
| 35 | 11.079 | 33.275 | 25.419 | 255.7 | 0.099 |
| 40 | 11.197 | 33.362 | 25.465 | 251.4 | 0.111 |
| 45 | 11.181 | 33.367 | 25.472 | 250.8 | 0.124 |
| 50 | 11.155 | 33.454 | 25.544 | 244.1 | 0.136 |
| 60 | 10.569 | 33.594 | 25.757 | 224.0 | 0.160 |
| 70 | 10.533 | 33.603 | 25.770 | 222.9 | 0.182 |
| 80 | 10.281 | 33.626 | 25.832 | 217.3 | 0.204 |
| 90 | 10.123 | 33.652 | 25.879 | 213.0 | 0.226 |
| 100 | 9.708 | 33.689 | 25.977 | 203.8 | 0.247 |
| 125 | 9.157 | 33.829 | 26.177 | 185.2 | 0.295 |
| 150 | 8.492 | 33.938 | 26.366 | 167.6 | 0.339 |
| 175 | 8.039 | 33.982 | 26.469 | 158.1 | 0.380 |
| 200 | 7.769 | 34.029 | 26.545 | 151.2 | 0.419 |
| 225 | 7.631 | 34.047 | 26.580 | 148.3 | 0.456 |
| 250 | 7.421 | 34.066 | 26.624 | 144.3 | 0.493 |
| 275 | 7.195 | 34.083 | 26.670 | 140.3 | 0.528 |
| 300 | 7.167 | 34.128 | 26.709 | 136.9 | 0.563 |
| 325 | 6.835 | 34.123 | 26.751 | 133.2 | 0.597 |
| 350 | 6.458 | 34.108 | 26.789 | 129.6 | 0.629 |
| 375 | 6.299 | 34.123 | 26.822 | 126.7 | 0.662 |
| 400 | 6.124 | 34.136 | 26.854 | 123.8 | 0.693 |
| 425 | 5.955 | 34.145 | 26.883 | 121.3 | 0.723 |
| 450 | 5.745 | 34.156 | 26.918 | 118.1 | 0.753 |
| 475 | 5.583 | 34.170 | 26.949 | 115.4 | 0.783 |
| 499 | 5.478 | 34.185 | 26.973 | 113.2 | 0.810 |



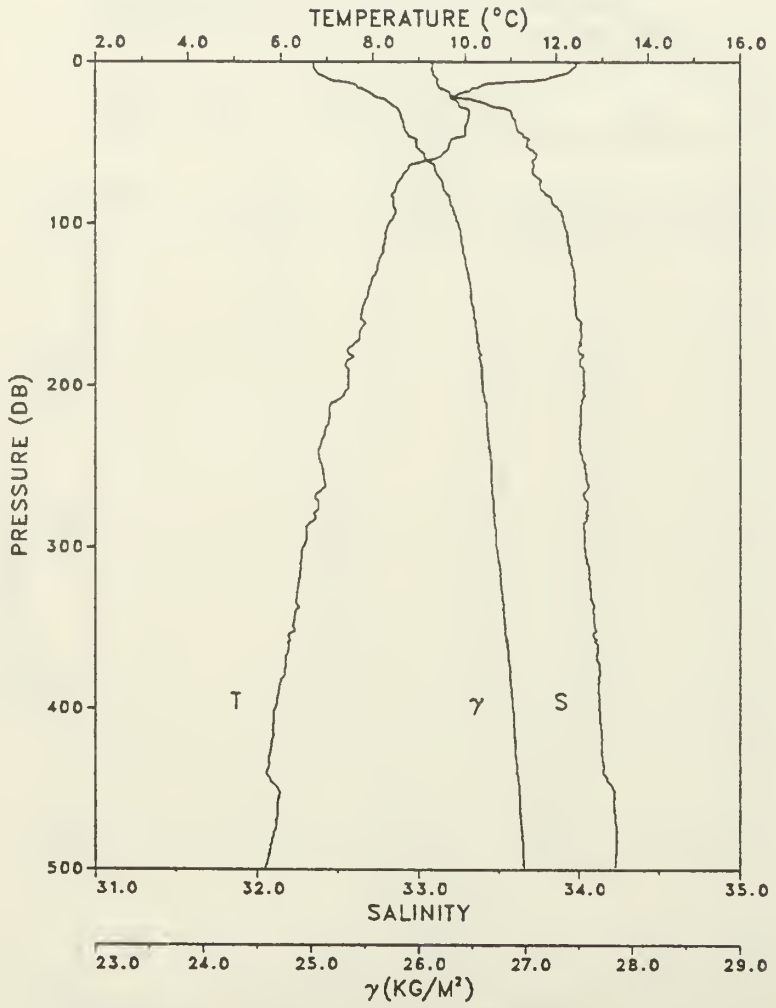

STATION: 96 LAT: 38 27.4 N LON: 124 6.2 W
DATE: 6/27/87 TIME: 0300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.664 | 33.014 | 24.921 | 302.3 | 0.000 |
| 5 | 12.339 | 33.025 | 24.992 | 295.7 | 0.012 |
| 10 | 11.694 | 32.898 | 25.014 | 293.6 | 0.027 |
| 15 | 11.305 | 32.976 | 25.146 | 281.2 | 0.041 |
| 20 | 11.167 | 32.985 | 25.177 | 278.3 | 0.055 |
| 25 | 10.379 | 32.993 | 25.321 | 264.7 | 0.069 |
| 30 | 10.320 | 33.138 | 25.445 | 253.1 | 0.082 |
| 35 | 10.964 | 33.334 | 25.485 | 249.4 | 0.094 |
| 40 | 10.784 | 33.470 | 25.623 | 236.4 | 0.106 |
| 45 | 10.050 | 33.393 | 25.689 | 230.1 | 0.118 |
| 50 | 9.552 | 33.386 | 25.766 | 222.8 | 0.129 |
| 60 | 9.451 | 33.396 | 25.791 | 220.7 | 0.151 |
| 70 | 9.228 | 33.462 | 25.878 | 212.6 | 0.173 |
| 80 | 8.882 | 33.540 | 25.994 | 201.7 | 0.194 |
| 90 | 8.602 | 33.601 | 26.085 | 193.2 | 0.214 |
| 100 | 8.254 | 33.650 | 26.176 | 184.6 | 0.232 |
| 125 | 8.283 | 33.866 | 26.341 | 169.4 | 0.277 |
| 150 | 7.876 | 33.910 | 26.436 | 160.7 | 0.318 |
| 175 | 8.201 | 34.045 | 26.494 | 155.8 | 0.358 |
| 200 | 8.012 | 34.063 | 26.536 | 152.1 | 0.396 |
| 225 | 7.731 | 34.075 | 26.587 | 147.6 | 0.433 |
| 250 | 7.285 | 34.052 | 26.633 | 143.5 | 0.470 |
| 275 | 7.138 | 34.091 | 26.684 | 138.9 | 0.505 |
| 300 | 7.092 | 34.120 | 26.713 | 136.5 | 0.540 |
| 325 | 6.940 | 34.138 | 26.748 | 133.5 | 0.573 |
| 350 | 6.669 | 34.140 | 26.786 | 130.0 | 0.606 |
| 375 | 6.458 | 34.155 | 26.826 | 126.4 | 0.638 |
| 400 | 6.294 | 34.168 | 26.858 | 123.7 | 0.670 |
| 425 | 6.085 | 34.174 | 26.889 | 120.8 | 0.700 |
| 450 | 5.896 | 34.185 | 26.922 | 117.9 | 0.730 |
| 475 | 5.704 | 34.190 | 26.950 | 115.4 | 0.759 |
| 499 | 5.520 | 34.183 | 26.966 | 113.9 | 0.787 |



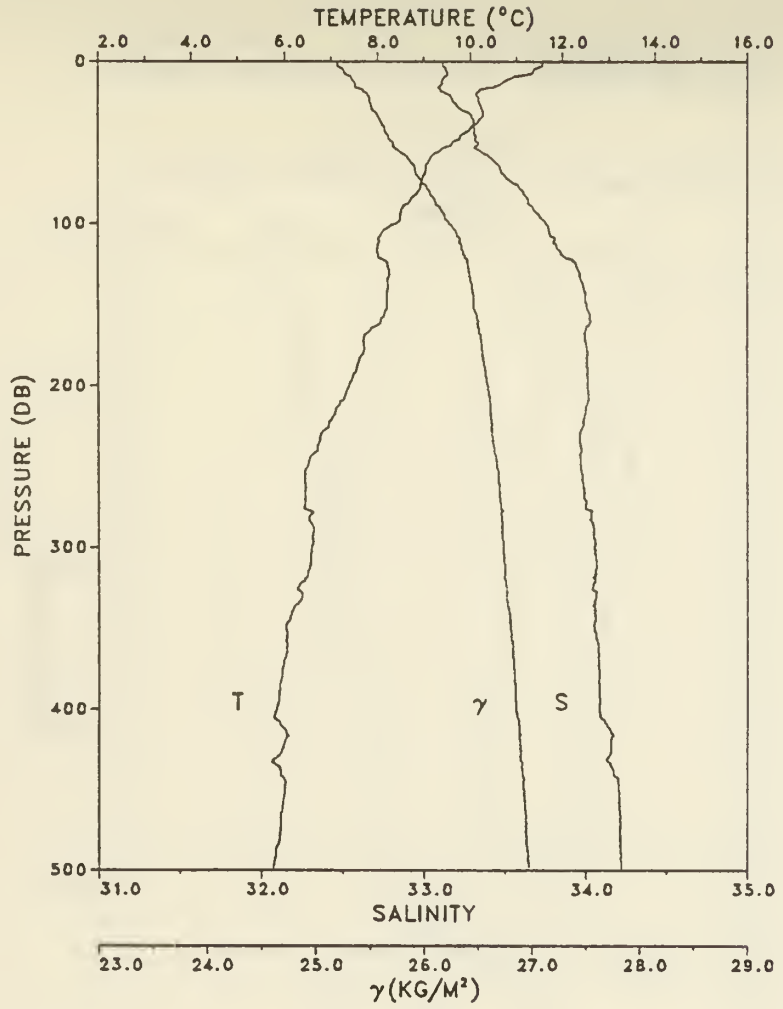

STATION: 97 LAT: 38 34.3 N LON: 124 6.2 W
DATE: 6/27/87 TIME: 0436Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.614 | 33.039 | 24.950 | 299.6 | 0.000 |
| 5 | 12.181 | 33.032 | 25.027 | 292.3 | 0.012 |
| 10 | 11.738 | 33.055 | 25.128 | 282.8 | 0.026 |
| 15 | 11.392 | 33.132 | 25.251 | 271.2 | 0.040 |
| 20 | 11.170 | 33.137 | 25.295 | 267.1 | 0.054 |
| 25 | 10.408 | 33.102 | 25.401 | 257.1 | 0.067 |
| 30 | 10.410 | 33.247 | 25.514 | 246.5 | 0.079 |
| 35 | 10.423 | 33.264 | 25.525 | 245.5 | 0.092 |
| 40 | 10.266 | 33.278 | 25.563 | 242.0 | 0.104 |
| 45 | 10.098 | 33.260 | 25.577 | 240.7 | 0.116 |
| 50 | 10.039 | 33.300 | 25.618 | 236.9 | 0.128 |
| 60 | 9.460 | 33.328 | 25.736 | 225.9 | 0.151 |
| 70 | 9.270 | 33.504 | 25.904 | 210.1 | 0.173 |
| 80 | 8.739 | 33.590 | 26.055 | 195.8 | 0.193 |
| 90 | 8.559 | 33.690 | 26.161 | 185.9 | 0.212 |
| 100 | 8.659 | 33.828 | 26.254 | 177.3 | 0.230 |
| 125 | 8.427 | 33.916 | 26.359 | 167.8 | 0.273 |
| 150 | 8.319 | 33.992 | 26.435 | 161.0 | 0.314 |
| 175 | 7.868 | 33.998 | 26.507 | 154.5 | 0.354 |
| 200 | 7.662 | 34.045 | 26.573 | 148.5 | 0.392 |
| 225 | 7.750 | 34.104 | 26.607 | 145.7 | 0.429 |
| 250 | 7.392 | 34.089 | 26.647 | 142.2 | 0.464 |
| 275 | 7.307 | 34.120 | 26.683 | 139.1 | 0.500 |
| 300 | 6.864 | 34.064 | 26.700 | 137.6 | 0.534 |
| 325 | 6.387 | 34.060 | 26.760 | 131.9 | 0.568 |
| 350 | 6.478 | 34.122 | 26.797 | 128.8 | 0.601 |
| 375 | 6.296 | 34.132 | 26.829 | 126.0 | 0.632 |
| 400 | 6.228 | 34.145 | 26.848 | 124.5 | 0.664 |
| 425 | 6.061 | 34.149 | 26.873 | 122.4 | 0.695 |
| 450 | 5.907 | 34.163 | 26.903 | 119.7 | 0.725 |
| 475 | 5.702 | 34.164 | 26.929 | 117.3 | 0.754 |
| 499 | 5.656 | 34.192 | 26.957 | 114.9 | 0.782 |



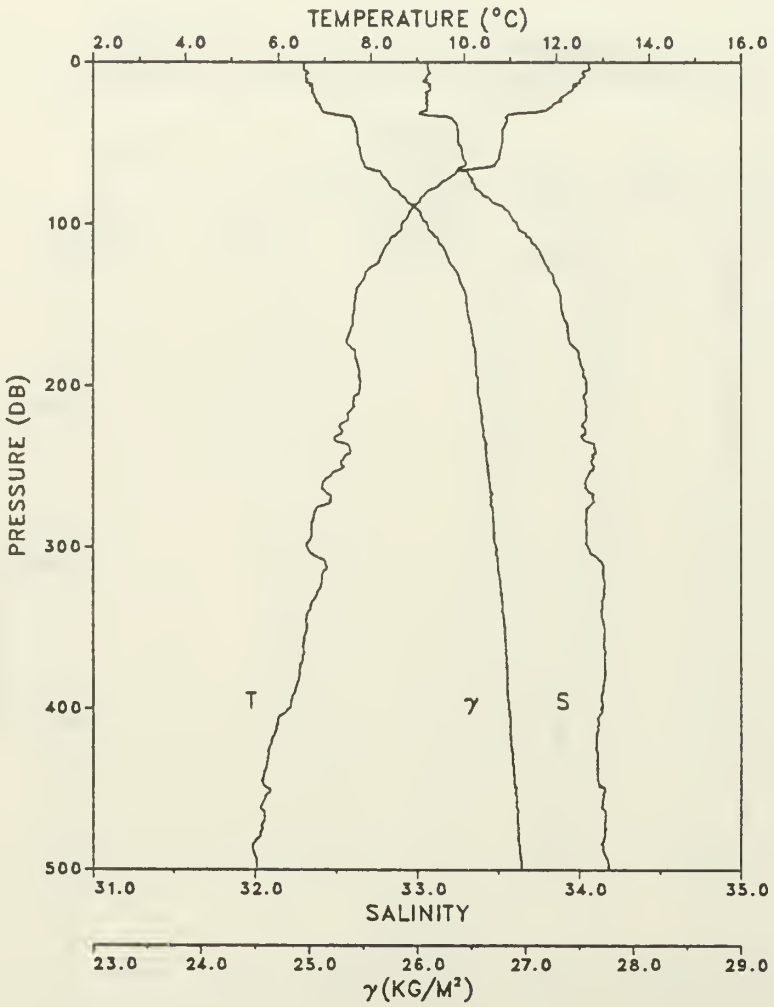

STATION: 98 LAT: 38 41.4 N LON: 124 6.2 W
DATE: 6/27/87 TIME: 0500Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.421 | 33.080 | 25.019 | 293.0 | 0.000 |
| 5 | 12.318 | 33.077 | 25.036 | 291.4 | 0.012 |
| 10 | 11.877 | 33.107 | 25.143 | 281.4 | 0.026 |
| 15 | 10.371 | 33.119 | 25.421 | 255.0 | 0.039 |
| 20 | 9.891 | 33.190 | 25.557 | 242.1 | 0.052 |
| 25 | 9.647 | 33.389 | 25.720 | 226.8 | 0.064 |
| 30 | 10.085 | 33.562 | 25.815 | 217.8 | 0.075 |
| 35 | 10.076 | 33.587 | 25.836 | 215.9 | 0.086 |
| 40 | 10.014 | 33.605 | 25.861 | 213.7 | 0.096 |
| 45 | 10.001 | 33.651 | 25.899 | 210.2 | 0.107 |
| 50 | 9.660 | 33.676 | 25.975 | 203.0 | 0.117 |
| 60 | 9.371 | 33.726 | 26.061 | 195.0 | 0.137 |
| 70 | 8.649 | 33.715 | 26.167 | 185.0 | 0.156 |
| 80 | 8.481 | 33.775 | 26.240 | 178.3 | 0.174 |
| 90 | 8.457 | 33.866 | 26.315 | 171.3 | 0.192 |
| 100 | 8.334 | 33.906 | 26.365 | 166.8 | 0.209 |
| 125 | 8.093 | 33.952 | 26.437 | 160.3 | 0.250 |
| 150 | 7.791 | 33.973 | 26.498 | 154.8 | 0.289 |
| 175 | 7.585 | 34.006 | 26.554 | 149.9 | 0.327 |
| 200 | 7.464 | 34.032 | 26.592 | 146.7 | 0.364 |
| 225 | 6.979 | 34.006 | 26.639 | 142.3 | 0.400 |
| 250 | 6.893 | 34.031 | 26.670 | 139.7 | 0.435 |
| 275 | 6.816 | 34.054 | 26.699 | 137.3 | 0.470 |
| 300 | 6.474 | 34.032 | 26.727 | 134.8 | 0.504 |
| 325 | 6.368 | 34.070 | 26.771 | 130.9 | 0.537 |
| 350 | 6.292 | 34.101 | 26.805 | 127.9 | 0.570 |
| 375 | 6.099 | 34.127 | 26.850 | 123.9 | 0.601 |
| 400 | 5.865 | 34.123 | 26.877 | 121.5 | 0.632 |
| 425 | 5.791 | 34.142 | 26.901 | 119.5 | 0.662 |
| 450 | 5.945 | 34.216 | 26.940 | 116.2 | 0.691 |
| 475 | 5.880 | 34.234 | 26.963 | 114.4 | 0.720 |
| 499 | 5.669 | 34.229 | 26.985 | 112.3 | 0.747 |



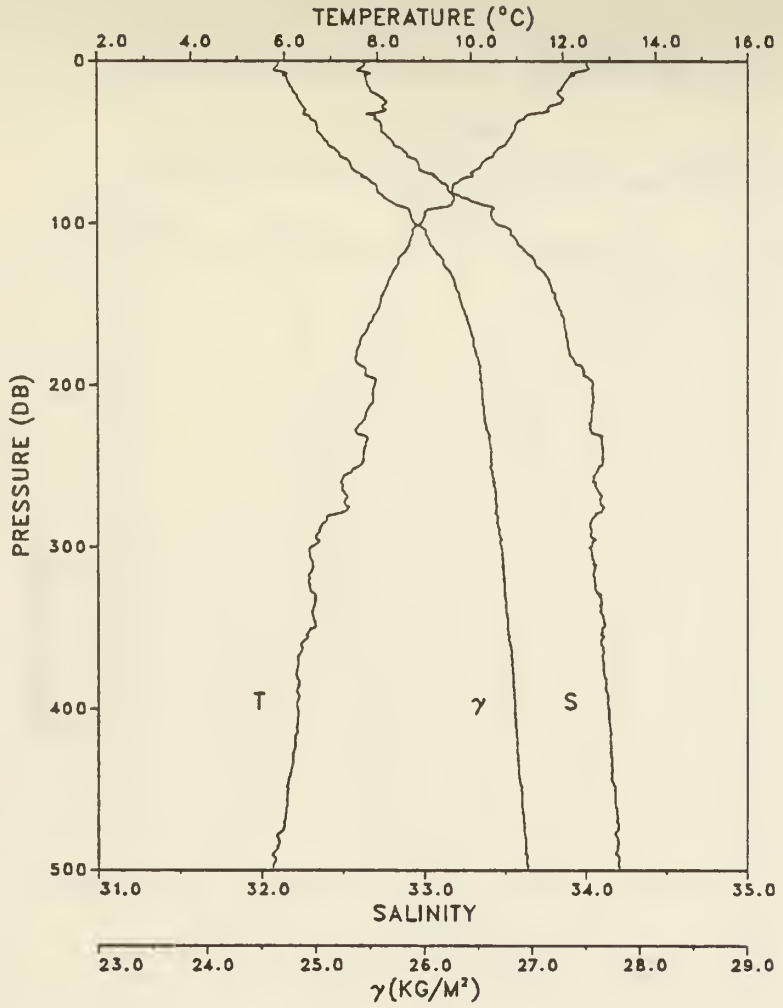

STATION: 99 LAT: 38 44.4 N LON: 124 13.1 W
DATE: 6/27/87 TIME: 0700Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 11.569 | 33.116 | 25.206 | 275.1 | 0.000 |
| 5 | 11.377 | 33.132 | 25.254 | 270.7 | 0.011 |
| 10 | 10.928 | 33.120 | 25.325 | 264.1 | 0.024 |
| 15 | 10.620 | 33.099 | 25.363 | 260.6 | 0.037 |
| 20 | 10.127 | 33.136 | 25.476 | 249.9 | 0.050 |
| 25 | 10.182 | 33.179 | 25.500 | 247.7 | 0.063 |
| 30 | 10.264 | 33.235 | 25.530 | 245.0 | 0.075 |
| 35 | 10.223 | 33.297 | 25.585 | 239.8 | 0.087 |
| 40 | 10.034 | 33.309 | 25.626 | 236.0 | 0.099 |
| 45 | 9.812 | 33.316 | 25.669 | 232.0 | 0.111 |
| 50 | 9.607 | 33.335 | 25.717 | 227.5 | 0.122 |
| 60 | 9.127 | 33.418 | 25.860 | 214.1 | 0.144 |
| 70 | 9.000 | 33.496 | 25.941 | 206.6 | 0.165 |
| 80 | 8.869 | 33.615 | 26.055 | 195.9 | 0.185 |
| 90 | 8.541 | 33.673 | 26.151 | 186.9 | 0.205 |
| 100 | 8.406 | 33.751 | 26.232 | 179.3 | 0.223 |
| 125 | 8.225 | 33.943 | 26.410 | 162.8 | 0.266 |
| 150 | 8.207 | 34.005 | 26.462 | 158.4 | 0.306 |
| 175 | 7.708 | 34.004 | 26.535 | 151.7 | 0.345 |
| 200 | 7.374 | 34.013 | 26.589 | 146.8 | 0.382 |
| 225 | 6.953 | 33.981 | 26.623 | 143.9 | 0.418 |
| 250 | 6.487 | 33.969 | 26.676 | 139.0 | 0.454 |
| 275 | 6.417 | 33.998 | 26.708 | 136.2 | 0.488 |
| 300 | 6.570 | 34.054 | 26.732 | 134.4 | 0.522 |
| 325 | 6.265 | 34.039 | 26.760 | 131.9 | 0.555 |
| 350 | 6.028 | 34.053 | 26.801 | 128.1 | 0.588 |
| 375 | 5.942 | 34.079 | 26.832 | 125.4 | 0.619 |
| 400 | 5.813 | 34.084 | 26.852 | 123.7 | 0.650 |
| 425 | 5.933 | 34.154 | 26.893 | 120.4 | 0.681 |
| 450 | 5.984 | 34.199 | 26.922 | 118.0 | 0.711 |
| 475 | 5.898 | 34.211 | 26.942 | 116.3 | 0.740 |
| 499 | 5.750 | 34.221 | 26.968 | 114.0 | 0.768 |



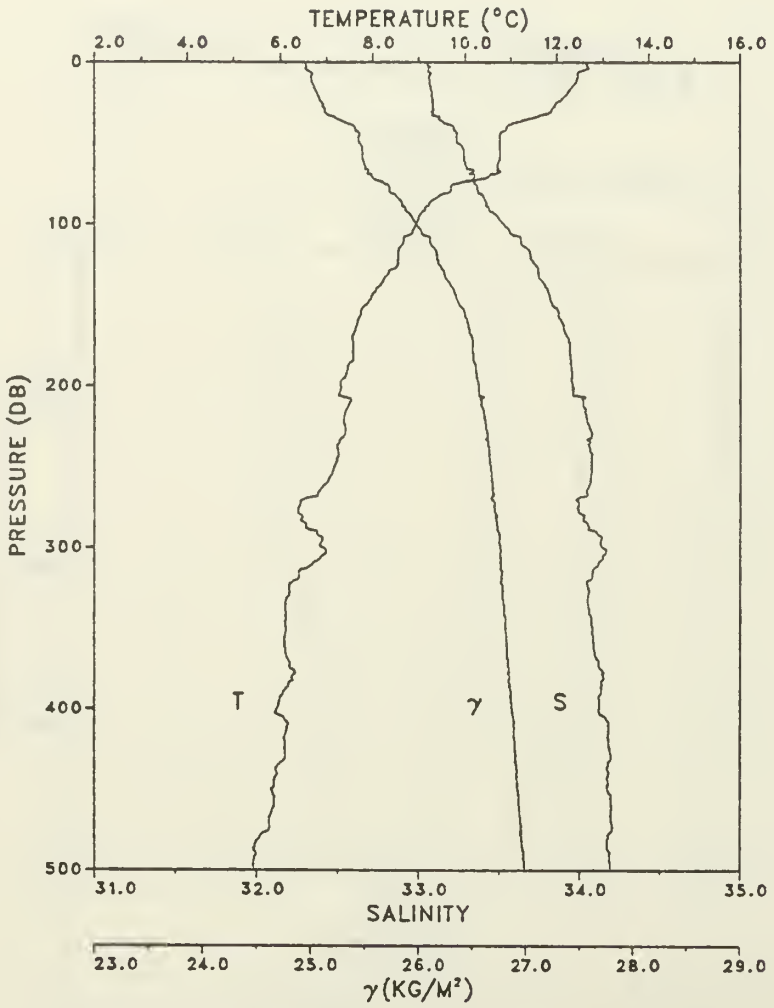

STATION: 100 LAT: 38 46.8 N LON: 124 20.3 W
DATE: 6/27/87 TIME: 0800Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.699 | 33.064 | 24.953 | 299.3 | 0.000 |
| 5 | 12.697 | 33.067 | 24.956 | 299.1 | 0.012 |
| 10 | 12.557 | 33.049 | 24.969 | 298.0 | 0.027 |
| 15 | 12.449 | 33.065 | 25.002 | 294.9 | 0.042 |
| 20 | 12.205 | 33.063 | 25.047 | 290.8 | 0.056 |
| 25 | 11.988 | 33.045 | 25.074 | 288.3 | 0.071 |
| 30 | 11.770 | 33.056 | 25.123 | 283.7 | 0.085 |
| 35 | 10.924 | 33.213 | 25.398 | 257.6 | 0.099 |
| 40 | 10.876 | 33.243 | 25.430 | 254.7 | 0.111 |
| 45 | 10.826 | 33.249 | 25.443 | 253.5 | 0.124 |
| 50 | 10.817 | 33.251 | 25.447 | 253.3 | 0.137 |
| 60 | 10.740 | 33.282 | 25.484 | 249.9 | 0.162 |
| 70 | 9.782 | 33.312 | 25.671 | 232.3 | 0.186 |
| 80 | 9.193 | 33.387 | 25.825 | 217.8 | 0.209 |
| 90 | 8.896 | 33.530 | 25.984 | 202.8 | 0.230 |
| 100 | 8.655 | 33.613 | 26.086 | 193.2 | 0.249 |
| 125 | 8.123 | 33.790 | 26.306 | 172.7 | 0.295 |
| 150 | 7.640 | 33.884 | 26.450 | 159.3 | 0.337 |
| 175 | 7.514 | 33.953 | 26.522 | 152.8 | 0.376 |
| 200 | 7.763 | 34.044 | 26.558 | 150.0 | 0.414 |
| 225 | 7.311 | 34.016 | 26.601 | 146.1 | 0.451 |
| 250 | 7.411 | 34.093 | 26.647 | 142.2 | 0.487 |
| 275 | 6.870 | 34.057 | 26.694 | 137.8 | 0.522 |
| 300 | 6.621 | 34.051 | 26.723 | 135.3 | 0.556 |
| 325 | 6.898 | 34.153 | 26.766 | 131.8 | 0.589 |
| 350 | 6.606 | 34.153 | 26.805 | 128.2 | 0.622 |
| 375 | 6.455 | 34.157 | 26.828 | 126.3 | 0.653 |
| 400 | 6.239 | 34.130 | 26.835 | 125.8 | 0.685 |
| 425 | 5.789 | 34.105 | 26.872 | 122.2 | 0.716 |
| 450 | 5.824 | 34.153 | 26.906 | 119.4 | 0.746 |
| 475 | 5.667 | 34.160 | 26.930 | 117.2 | 0.776 |
| 499 | 5.526 | 34.178 | 26.962 | 114.3 | 0.803 |



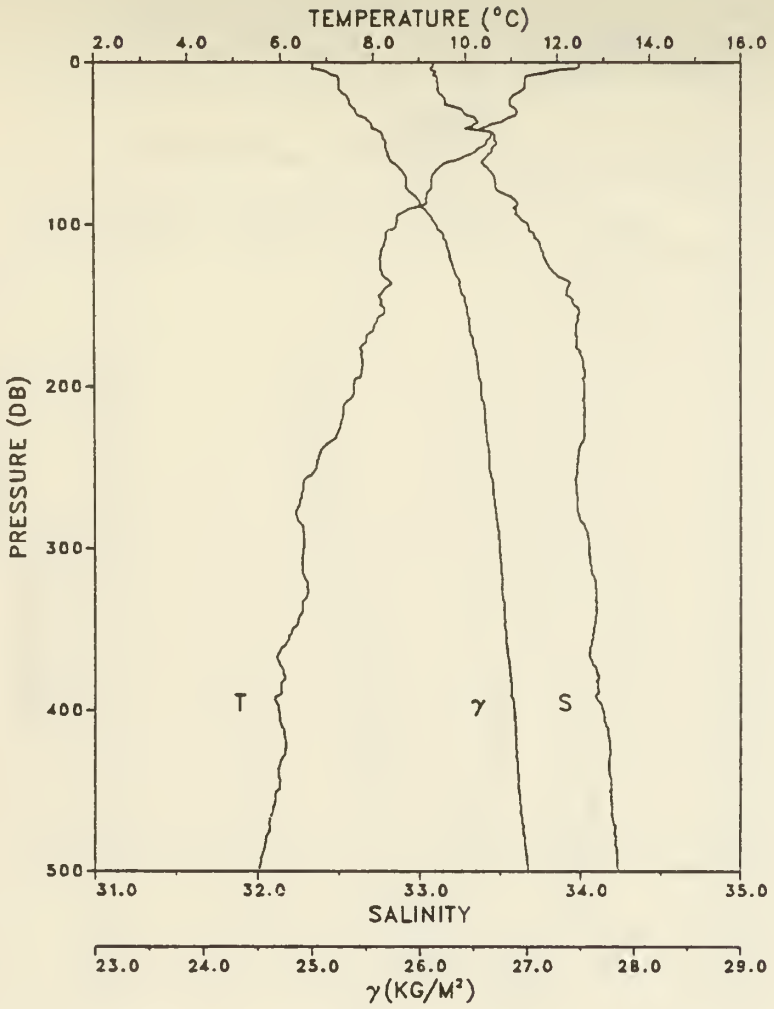

STATION: 101 LAT: 38 49.4 N LON: 124 26.2 W
DATE: 6/27/87 TIME: 0900Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.506 | 32.636 | 24.658 | 327.3 | 0.000 |
| 5 | 12.565 | 32.607 | 24.625 | 330.6 | 0.013 |
| 10 | 12.124 | 32.645 | 24.738 | 320.0 | 0.029 |
| 15 | 12.007 | 32.655 | 24.768 | 317.2 | 0.045 |
| 20 | 11.880 | 32.687 | 24.816 | 312.7 | 0.061 |
| 25 | 11.957 | 32.772 | 24.868 | 307.9 | 0.077 |
| 30 | 11.681 | 32.766 | 24.914 | 303.6 | 0.092 |
| 35 | 11.176 | 32.699 | 24.953 | 299.9 | 0.107 |
| 40 | 10.972 | 32.736 | 25.018 | 293.8 | 0.122 |
| 45 | 10.905 | 32.754 | 25.044 | 291.5 | 0.136 |
| 50 | 10.783 | 32.813 | 25.111 | 285.2 | 0.151 |
| 60 | 10.400 | 32.924 | 25.264 | 270.8 | 0.179 |
| 70 | 10.062 | 33.065 | 25.431 | 255.1 | 0.205 |
| 80 | 9.599 | 33.149 | 25.573 | 241.7 | 0.230 |
| 90 | 9.497 | 33.422 | 25.803 | 220.0 | 0.253 |
| 100 | 8.921 | 33.443 | 25.912 | 209.8 | 0.274 |
| 125 | 8.440 | 33.685 | 26.176 | 185.1 | 0.324 |
| 150 | 8.050 | 33.824 | 26.343 | 169.6 | 0.368 |
| 175 | 7.608 | 33.886 | 26.456 | 159.1 | 0.409 |
| 200 | 7.935 | 34.037 | 26.527 | 152.9 | 0.448 |
| 225 | 7.575 | 34.025 | 26.570 | 149.1 | 0.486 |
| 250 | 7.584 | 34.077 | 26.610 | 145.8 | 0.523 |
| 275 | 7.379 | 34.109 | 26.664 | 140.9 | 0.559 |
| 300 | 6.556 | 34.020 | 26.707 | 136.7 | 0.593 |
| 325 | 6.533 | 34.054 | 26.737 | 134.3 | 0.627 |
| 350 | 6.605 | 34.098 | 26.762 | 132.3 | 0.661 |
| 375 | 6.260 | 34.104 | 26.812 | 127.6 | 0.693 |
| 400 | 6.270 | 34.138 | 26.837 | 125.6 | 0.725 |
| 425 | 6.189 | 34.152 | 26.859 | 123.8 | 0.756 |
| 450 | 6.054 | 34.176 | 26.895 | 120.6 | 0.786 |
| 475 | 5.952 | 34.197 | 26.924 | 118.0 | 0.816 |
| 499 | 5.739 | 34.204 | 26.956 | 115.1 | 0.844 |



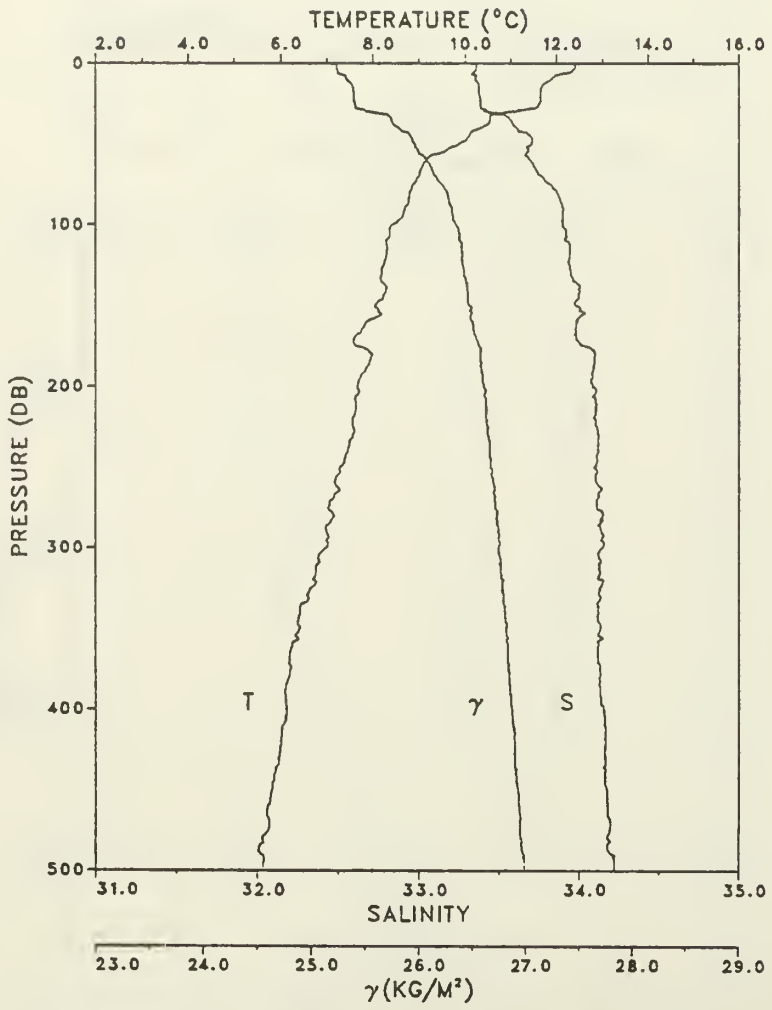

STATION: 102 LAT: 38 50.4 N LON: 124 19.9 W
DATE: 6/27/87 TIME: 1000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.651 | 33.054 | 24.[illegible]34 | 299.1 | 0.000 |
| 5 | 12.617 | 33.056 | 24.963 | 298.5 | 0.012 |
| 10 | 12.448 | 33.064 | 25.001 | 294.9 | 0.027 |
| 15 | 12.339 | 33.071 | 25.028 | 292.5 | 0.041 |
| 20 | 12.205 | 33.078 | 25.058 | 289.7 | 0.056 |
| 25 | 12.000 | 33.086 | 25.103 | 285.5 | 0.070 |
| 30 | 11.876 | 33.088 | 25.128 | 283.3 | 0.085 |
| 35 | 11.461 | 33.120 | 25.229 | 273.7 | 0.099 |
| 40 | 10.917 | 33.213 | 25.399 | 257.6 | 0.112 |
| 45 | 10.769 | 33.235 | 25.442 | 253.6 | 0.125 |
| 50 | 10.754 | 33.238 | 25.447 | 253.2 | 0.137 |
| 60 | 10.762 | 33.276 | 25.476 | 250.8 | 0.162 |
| 70 | 10.547 | 33.345 | 25.567 | 242.3 | 0.187 |
| 80 | 9.693 | 33.366 | 25.728 | 227.1 | 0.211 |
| 90 | 9.138 | 33.433 | 25.870 | 213.7 | 0.233 |
| 100 | 8.929 | 33.529 | 25.978 | 203.6 | 0.254 |
| 125 | 8.533 | 33.723 | 26.191 | 183.7 | 0.302 |
| 150 | 7.843 | 33.827 | 26.376 | 166.4 | 0.346 |
| 175 | 7.567 | 33.933 | 26.499 | 155.1 | 0.386 |
| 200 | 7.305 | 33.956 | 26.554 | 150.1 | 0.424 |
| 225 | 7.400 | 34.059 | 26.622 | 144.1 | 0.461 |
| 250 | 7.154 | 34.073 | 26.667 | 140.1 | 0.496 |
| 275 | 6.397 | 33.985 | 26.700 | 136.9 | 0.531 |
| 300 | 6.939 | 34.147 | 26.755 | 132.4 | 0.565 |
| 325 | 6.189 | 34.050 | 26.778 | 130.1 | 0.597 |
| 350 | 6.132 | 34.076 | 26.806 | 127.8 | 0.630 |
| 375 | 6.225 | 34.128 | 26.835 | 125.4 | 0.661 |
| 400 | 5.923 | 34.115 | 26.863 | 122.8 | 0.692 |
| 425 | 6.103 | 34.186 | 26.897 | 120.2 | 0.723 |
| 450 | 5.809 | 34.175 | 26.925 | 117.5 | 0.752 |
| 475 | 5.751 | 34.201 | 26.953 | 115.2 | 0.782 |
| 499 | 5.429 | 34.190 | 26.983 | 112.2 | 0.809 |



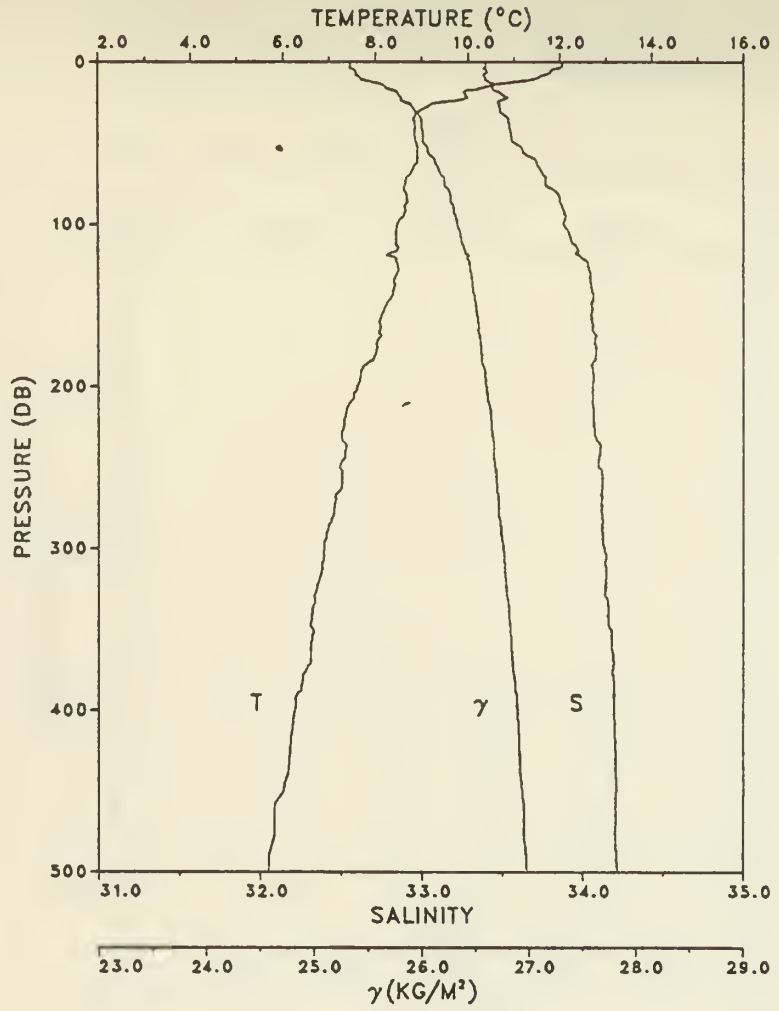

STATION: 103 LAT: 38 51.6 N LON: 124 13.3 W
DATE: 6/27/87 TIME: 1200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.479 | 33.086 | 25.012 | 293.6 | 0.000 |
| 5 | 12.025 | 33.078 | 25.092 | 286.1 | 0.012 |
| 10 | 11.295 | 33.112 | 25.253 | 270.9 | 0.026 |
| 15 | 11.290 | 33.115 | 25.256 | 270.7 | 0.039 |
| 20 | 11.090 | 33.129 | 25.303 | 266.3 | 0.052 |
| 25 | 10.970 | 33.162 | 25.350 | 262.0 | 0.066 |
| 30 | 11.122 | 33.272 | 25.409 | 256.5 | 0.079 |
| 35 | 10.904 | 33.351 | 25.509 | 247.1 | 0.091 |
| 40 | 10.471 | 33.326 | 25.565 | 241.8 | 0.103 |
| 45 | 10.553 | 33.468 | 25.662 | 232.8 | 0.115 |
| 50 | 10.444 | 33.476 | 25.687 | 230.5 | 0.127 |
| 60 | 9.871 | 33.407 | 25.730 | 226.5 | 0.150 |
| 70 | 9.282 | 33.464 | 25.[illegible]71 | 213.2 | 0.172 |
| 80 | 9.181 | 33.503 | 25.918 | 209.0 | 0.193 |
| 90 | 8.872 | 33.587 | 26.032 | 198.2 | 0.213 |
| 100 | 8.492 | 33.674 | 26.159 | 186.3 | 0.232 |
| 125 | 8.146 | 33.802 | 26.312 | 172.2 | 0.277 |
| 150 | 8.167 | 33.968 | 26.439 | 160.6 | 0.319 |
| 175 | 7.744 | 33.974 | 26.506 | 154.5 | 0.358 |
| 200 | 7.568 | 34.024 | 26.570 | 148.7 | 0.396 |
| 225 | 7.273 | 34.025 | 26.613 | 144.9 | 0.433 |
| 250 | 6.763 | 33.980 | 26.648 | 141.8 | 0.469 |
| 275 | 6.346 | 33.977 | 26.700 | 136.9 | 0.503 |
| 300 | 6.479 | 34.051 | 26.741 | 133.4 | 0.537 |
| 325 | 6.571 | 34.096 | 26.765 | 131.6 | 0.570 |
| 350 | 6.233 | 34.080 | 26.796 | 128.7 | 0.603 |
| 375 | 6.039 | 34.098 | 26.835 | 125.2 | 0.635 |
| 400 | 5.944 | 34.138 | 26.879 | 121.4 | 0.666 |
| 425 | 6.077 | 34.184 | 26.898 | 120.0 | 0.696 |
| 450 | 5.908 | 34.179 | 26.916 | 118.5 | 0.726 |
| 475 | 5.738 | 34.215 | 26.965 | 114.0 | 0.755 |
| 499 | 5.519 | 34.234 | 27.007 | 110.1 | 0.781 |



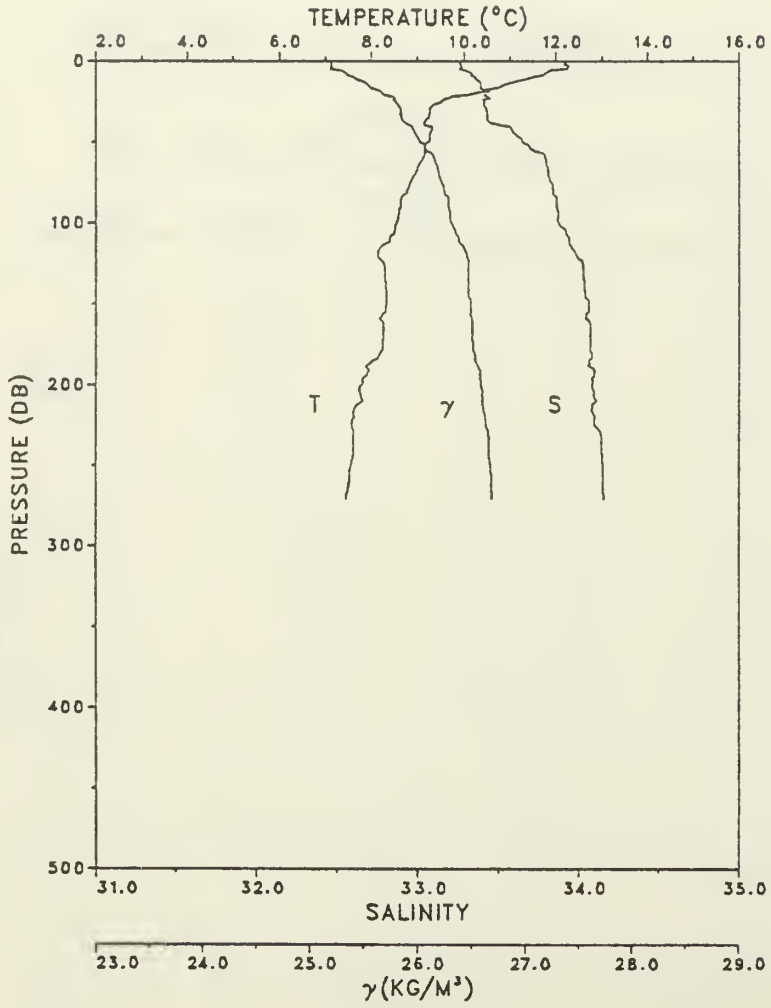

STATION: 104 LAT: 38 52.6 N LON: 124 7.4 W
DATE: 6/27/87 TIME: 1300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.413 | 33.354 | 25.233 | 272.6 | 0.000 |
| 5 | 12.347 | 33.352 | 25.244 | 271.7 | 0.011 |
| 10 | 11.890 | 33.351 | 25.330 | 263.6 | 0.024 |
| 15 | 11.663 | 33.371 | 25.387 | 258.3 | 0.037 |
| 20 | 11.648 | 33.374 | 25.392 | 257.9 | 0.050 |
| 25 | 11.618 | 33.380 | 25.403 | 257.0 | 0.063 |
| 30 | 11.118 | 33.407 | 25.515 | 246.5 | 0.076 |
| 35 | 10.535 | 33.566 | 25.741 | 225.0 | 0.087 |
| 40 | 10.383 | 33.604 | 25.797 | 219.8 | 0.099 |
| 45 | 10.083 | 33.687 | 25.913 | 208.8 | 0.109 |
| 50 | 9.866 | 33.703 | 25.962 | 204.3 | 0.120 |
| 60 | 9.145 | 33.691 | 26.070 | 194.1 | 0.140 |
| 70 | 8.987 | 33.759 | 26.149 | 186.8 | 0.159 |
| 80 | 8.787 | 33.861 | 26.260 | 176.4 | 0.177 |
| 90 | 8.679 | 33.899 | 26.307 | 172.2 | 0.194 |
| 100 | 8.433 | 33.895 | 26.341 | 169.0 | 0.211 |
| 125 | 8.223 | 33.937 | 26.406 | 163.3 | 0.253 |
| 150 | 8.026 | 33.976 | 26.466 | 157.9 | 0.293 |
| 175 | 7.645 | 34.033 | 26.567 | 148.7 | 0.331 |
| 200 | 7.651 | 34.081 | 26.603 | 145.6 | 0.368 |
| 225 | 7.563 | 34.113 | 26.641 | 142.4 | 0.404 |
| 250 | 7.284 | 34.091 | 26.663 | 140.5 | 0.439 |
| 275 | 7.025 | 34.109 | 26.714 | 136.0 | 0.474 |
| 300 | 6.992 | 34.141 | 26.743 | 133.6 | 0.508 |
| 325 | 6.647 | 34.126 | 26.778 | 130.4 | 0.541 |
| 350 | 6.409 | 34.128 | 26.811 | 127.5 | 0.573 |
| 375 | 6.208 | 34.127 | 26.836 | 125.3 | 0.605 |
| 400 | 6.130 | 34.155 | 26.869 | 122.5 | 0.635 |
| 425 | 5.989 | 34.162 | 26.892 | 120.5 | 0.666 |
| 450 | 5.800 | 34.174 | 26.925 | 117.5 | 0.696 |
| 475 | 5.726 | 34.191 | 26.948 | 115.6 | 0.725 |
| 499 | 5.608 | 34.220 | 26.985 | 112.2 | 0.752 |



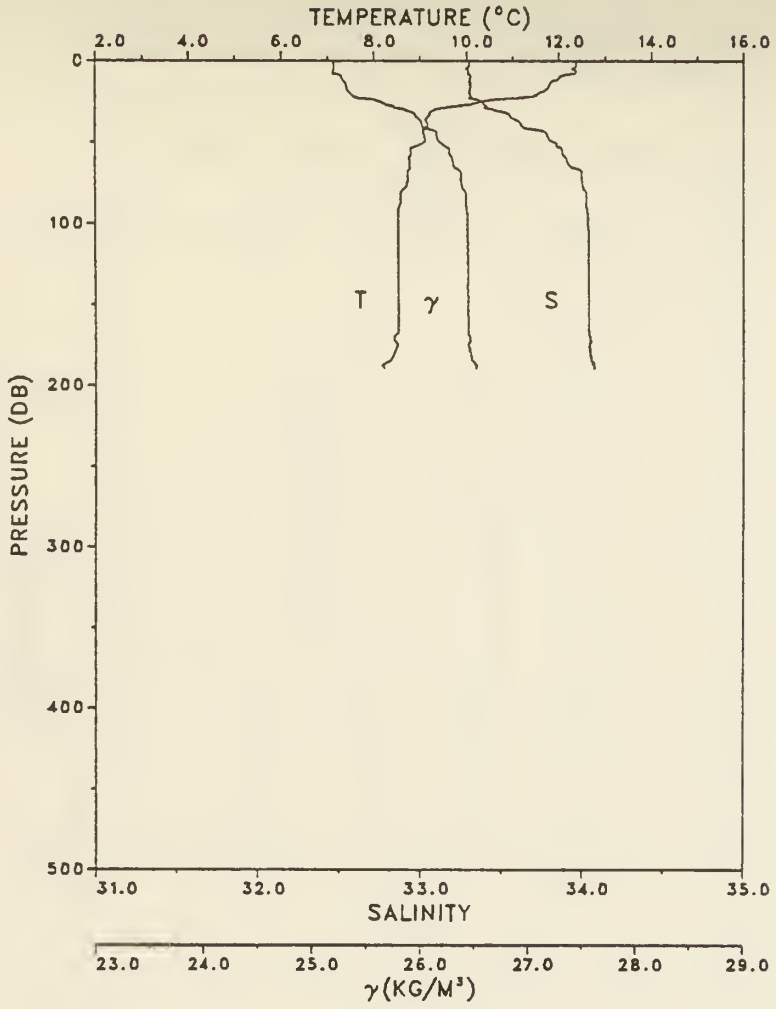

STATION: 105 LAT: 38 53.2 N LON: 124 1.7 W
DATE: 6/27/87 TIME: 1400Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.042 | 33.396 | 25.336 | 262.8 | 0.000 |
| 5 | 11.830 | 33.402 | 25.380 | 258.7 | 0.010 |
| 10 | 11.530 | 33.393 | 25.429 | 254.2 | 0.023 |
| 15 | 10.495 | 33.438 | 25.648 | 233.4 | 0.035 |
| 20 | 9.959 | 33.497 | 25.786 | 220.4 | 0.047 |
| 25 | 9.388 | 33.468 | 25.857 | 213.7 | 0.058 |
| 30 | 8.970 | 33.485 | 25.937 | 206.2 | 0.068 |
| 35 | 8.828 | 33.536 | 25.999 | 200.4 | 0.078 |
| 40 | 8.854 | 33.543 | 26.001 | 200.3 | 0.088 |
| 45 | 8.846 | 33.553 | 26.010 | 199.6 | 0.098 |
| 50 | 8.882 | 33.575 | 26.021 | 198.6 | 0.108 |
| 60 | 8.900 | 33.705 | 26.120 | 189.4 | 0.128 |
| 70 | 8.723 | 33.760 | 26.191 | 182.8 | 0.146 |
| 80 | 8.645 | 33.834 | 26.261 | 176.3 | 0.164 |
| 90 | 8.636 | 33.876 | 26.295 | 173.2 | 0.182 |
| 100 | 8.464 | 33.883 | 26.327 | 170.4 | 0.199 |
| 125 | 8.472 | 34.033 | 26.444 | 159.8 | 0.240 |
| 150 | 8.222 | 34.059 | 26.502 | 154.6 | 0.279 |
| 175 | 8.031 | 34.081 | 26.548 | 150.6 | 0.318 |
| 200 | 7.594 | 34.064 | 26.598 | 146.1 | 0.355 |
| 225 | 7.294 | 34.072 | 26.647 | 141.7 | 0.391 |
| 250 | 7.209 | 34.101 | 26.682 | 138.8 | 0.426 |
| 275 | 7.094 | 34.118 | 26.711 | 136.3 | 0.460 |
| 300 | 6.878 | 34.137 | 26.756 | 132.3 | 0.494 |
| 325 | 6.713 | 34.141 | 26.781 | 130.2 | 0.527 |
| 350 | 6.647 | 34.178 | 26.819 | 126.9 | 0.559 |
| 375 | 6.491 | 34.184 | 26.845 | 124.7 | 0.590 |
| 400 | 6.240 | 34.194 | 26.885 | 121.0 | 0.621 |
| 425 | 6.141 | 34.202 | 26.904 | 119.5 | 0.651 |
| 450 | 5.993 | 34.209 | 26.929 | 117.4 | 0.680 |
| 475 | 5.795 | 34.201 | 26.947 | 115.7 | 0.710 |
| 499 | 5.662 | 34.212 | 26.972 | 113.5 | 0.737 |



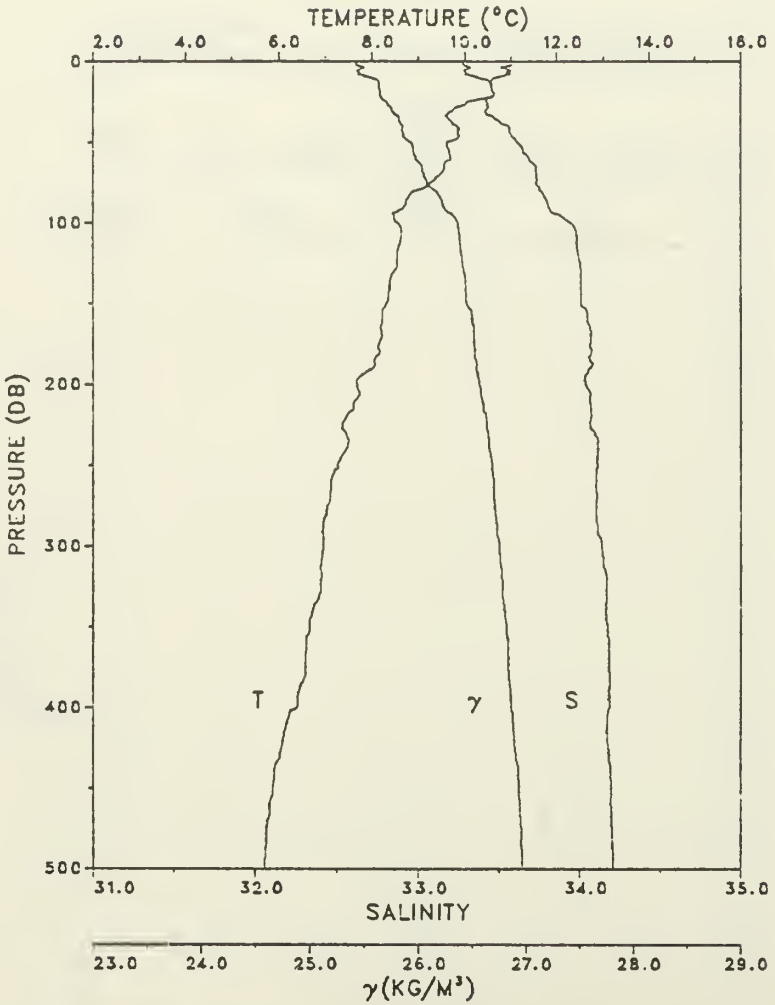

STATION: 106 LAT: 38 53.9 N LON: 123 55.7 W
DATE: 6/27/87 TIME: 1453Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.227 | 33.262 | 25.197 | 276.1 | 0.000 |
| 5 | 12.249 | 33.260 | 25.191 | 276.7 | 0.011 |
| 10 | 11.534 | 33.354 | 25.398 | 257.1 | 0.024 |
| 15 | 10.889 | 33.390 | 25.542 | 243.5 | 0.037 |
| 20 | 10.291 | 33.427 | 25.675 | 231.0 | 0.049 |
| 25 | 9.517 | 33.416 | 25.795 | 219.6 | 0.060 |
| 30 | 9.270 | 33.425 | 25.842 | 215.2 | 0.071 |
| 35 | 9.243 | 33.431 | 25.851 | 214.4 | 0.082 |
| 40 | 9.166 | 33.516 | 25.930 | 207.1 | 0.092 |
| 45 | 9.261 | 33.600 | 25.981 | 202.4 | 0.102 |
| 50 | 9.235 | 33.647 | 26.022 | 198.6 | 0.112 |
| 60 | 9.115 | 33.791 | 26.153 | 186.2 | 0.132 |
| 70 | 8.943 | 33.809 | 26.195 | 182.5 | 0.150 |
| 80 | 8.776 | 33.838 | 26.244 | 178.0 | 0.168 |
| 90 | 8.626 | 33.863 | 26.287 | 174.1 | 0.186 |
| 100 | 8.527 | 33.875 | 26.311 | 171.9 | 0.203 |
| 125 | 8.273 | 34.028 | 26.470 | 157.2 | 0.244 |
| 150 | 8.317 | 34.060 | 26.488 | 155.9 | 0.283 |
| 175 | 8.242 | 34.072 | 26.509 | 154.4 | 0.322 |
| 200 | 7.787 | 34.082 | 26.584 | 147.5 | 0.360 |
| 225 | 7.566 | 34.099 | 26.630 | 143.5 | 0.396 |
| 250 | 7.545 | 34.149 | 26.672 | 139.9 | 0.432 |
| 271 | 7.442 | 34.153 | 26.690 | 138.5 | 0.461 |



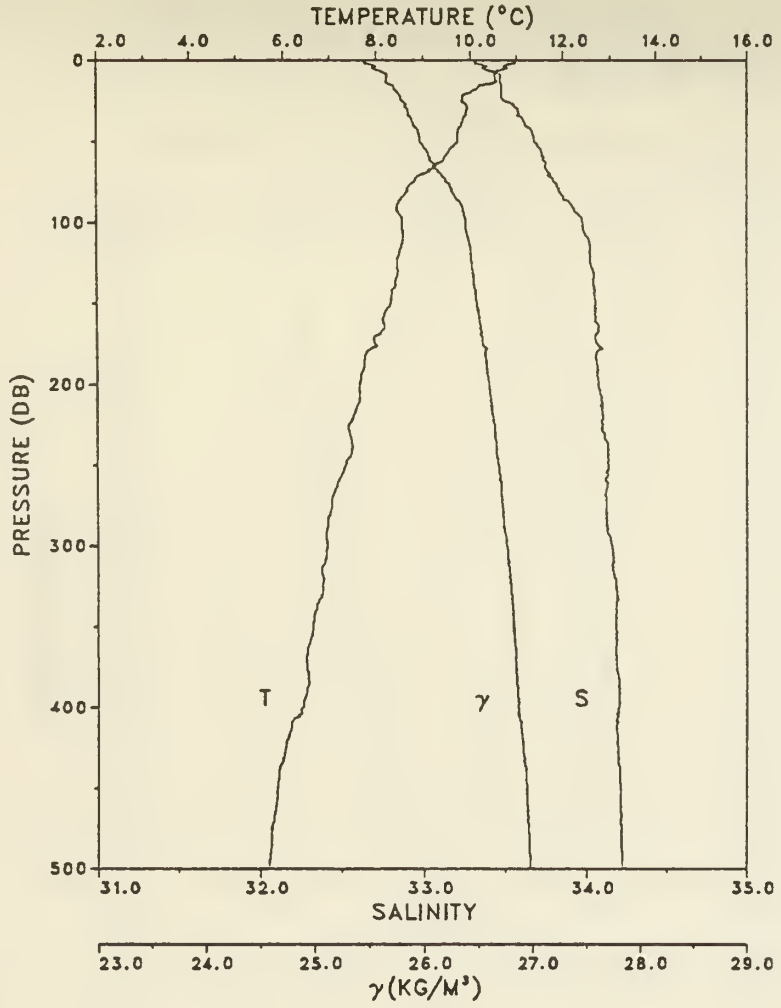

STATION: 107 LAT: 39 0.3 N LON: 123 55.3 W
DATE: 6/27/87 TIME: 1553Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.371 | 33.303 | 25.201 | 275.6 | 0.000 |
| 5 | 12.290 | 33.280 | 25.199 | 276.0 | 0.011 |
| 10 | 12.019 | 33.310 | 25.274 | 269.0 | 0.025 |
| 15 | 11.787 | 33.307 | 25.315 | 265.2 | 0.038 |
| 20 | 11.592 | 33.307 | 25.351 | 261.8 | 0.051 |
| 25 | 10.364 | 33.377 | 25.623 | 236.0 | 0.064 |
| 30 | 9.353 | 33.450 | 25.849 | 214.6 | 0.075 |
| 35 | 9.145 | 33.557 | 25.966 | 203.6 | 0.085 |
| 40 | 9.158 | 33.622 | 26.014 | 199.1 | 0.095 |
| 45 | 9.078 | 33.781 | 26.152 | 186.1 | 0.105 |
| 50 | 9.091 | 33.826 | 26.185 | 183.1 | 0.114 |
| 60 | 8.757 | 33.904 | 26.298 | 172.4 | 0.132 |
| 70 | 8.738 | 34.000 | 26.377 | 165.2 | 0.149 |
| 80 | 8.597 | 34.022 | 26.416 | 161.6 | 0.165 |
| 90 | 8.553 | 34.028 | 26.427 | 160.7 | 0.181 |
| 100 | 8.530 | 34.036 | 26.437 | 160.0 | 0.197 |
| 125 | 8.531 | 34.044 | 26.443 | 159.8 | 0.237 |
| 150 | 8.534 | 34.044 | 26.443 | 160.3 | 0.277 |
| 175 | 8.520 | 34.045 | 26.446 | 160.5 | 0.318 |
| 190 | 8.220 | 34.071 | 26.512 | 154.4 | 0.341 |



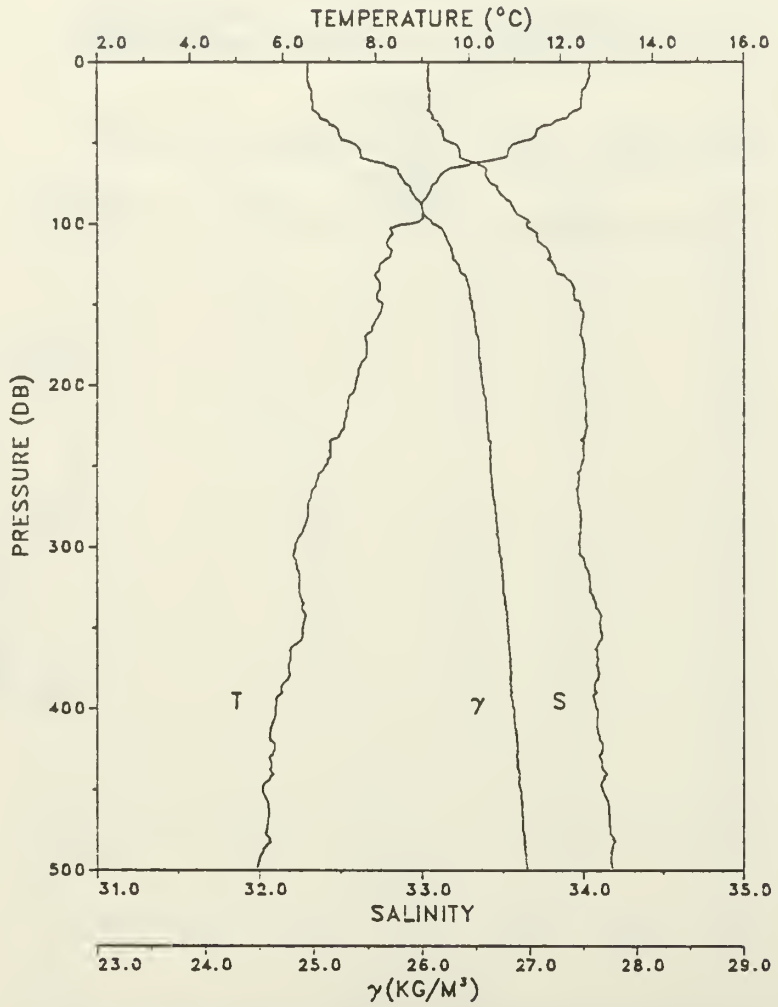

STATION: 108 LAT: 39 0.2 N LON: 124 4.6 W
DATE: 6/27/87 TIME: 1711Z

| | PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|---|
| * | 1 | 11.036 | 33.274 | 25.426 | 254.3 | 0.000 |
| | 5 | 10.939 | 33.301 | 25.464 | 250.7 | 0.010 |
| | 10 | 10.728 | 33.359 | 25.546 | 243.0 | 0.022 |
| | 15 | 10.580 | 33.443 | 25.638 | 234.4 | 0.034 |
| | 20 | 10.636 | 33.468 | 25.647 | 233.6 | 0.046 |
| | 25 | 10.058 | 33.419 | 25.708 | 227.9 | 0.058 |
| | 30 | 9.754 | 33.416 | 25.757 | 223.4 | 0.069 |
| | 35 | 9.628 | 33.468 | 25.818 | 217.7 | 0.080 |
| | 40 | 9.813 | 33.557 | 25.857 | 214.1 | 0.091 |
| | 45 | 9.857 | 33.572 | 25.861 | 213.7 | 0.101 |
| | 50 | 9.615 | 33.613 | 25.933 | 207.0 | 0.112 |
| | 60 | 9.704 | 33.686 | 25.976 | 203.2 | 0.132 |
| | 70 | 9.458 | 33.732 | 26.052 | 196.1 | 0.152 |
| | 80 | 8.960 | 33.753 | 26.148 | 187.1 | 0.172 |
| | 90 | 8.699 | 33.806 | 26.231 | 179.4 | 0.190 |
| | 100 | 8.560 | 33.945 | 26.361 | 167.2 | 0.207 |
| | 125 | 8.551 | 34.004 | 26.409 | 163.1 | 0.248 |
| | 150 | 8.309 | 34.006 | 26.447 | 159.8 | 0.289 |
| | 175 | 8.156 | 34.060 | 26.513 | 154.0 | 0.328 |
| | 200 | 7.681 | 34.039 | 26.566 | 149.2 | 0.366 |
| | 225 | 7.364 | 34.065 | 26.632 | 143.2 | 0.403 |
| | 250 | 7.268 | 34.110 | 26.681 | 138.9 | 0.438 |
| | 275 | 7.041 | 34.103 | 26.707 | 136.7 | 0.472 |
| | 300 | 6.946 | 34.137 | 26.747 | 133.3 | 0.506 |
| | 325 | 6.895 | 34.165 | 26.776 | 130.8 | 0.539 |
| | 350 | 6.657 | 34.170 | 26.812 | 127.6 | 0.571 |
| | 375 | 6.571 | 34.180 | 26.831 | 126.1 | 0.603 |
| | 400 | 6.390 | 34.184 | 26.858 | 123.7 | 0.634 |
| | 425 | 6.055 | 34.176 | 26.895 | 120.3 | 0.665 |
| | 450 | 5.874 | 34.193 | 26.931 | 117.0 | 0.694 |
| | 475 | 5.739 | 34.198 | 26.952 | 115.2 | 0.723 |
| | 499 | 5.702 | 34.204 | 26.961 | 114.6 | 0.751 |



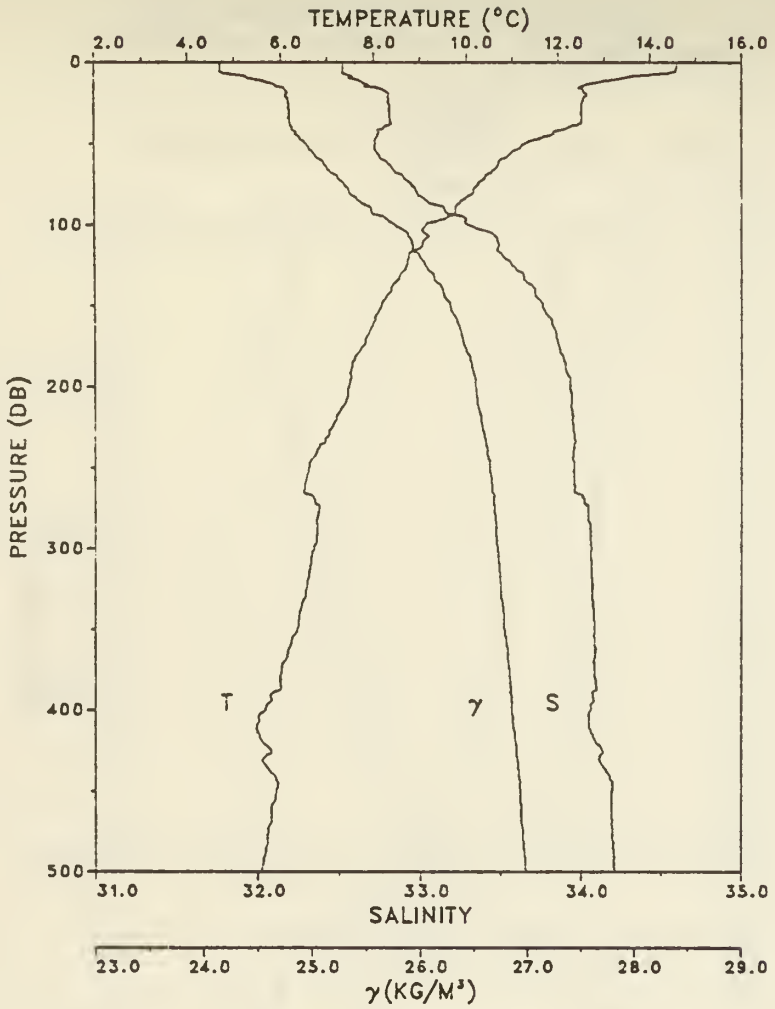

STATION: 908 LAT: 39 0.1 N LON: 124 4.4 W
DATE: 6/27/87 TIME: 1723Z

| | PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|---|
| * | 1 | 10.980 | 33.315 | 25.468 | 250.3 | 0.000 |
| | 5 | 10.816 | 33.359 | 25.531 | 244.4 | 0.010 |
| | 10 | 10.530 | 33.472 | 25.669 | 231.4 | 0.022 |
| * | 15 | 10.450 | 33.476 | 25.686 | 229.9 | 0.033 |
| * | 20 | 10.031 | 33.478 | 25.759 | 223.0 | 0.045 |
| | 25 | 9.818 | 33.496 | 25.808 | 218.4 | 0.056 |
| | 30 | 9.931 | 33.579 | 25.854 | 214.1 | 0.066 |
| | 35 | 9.862 | 33.603 | 25.885 | 211.3 | 0.077 |
| | 40 | 9.814 | 33.623 | 25.908 | 209.2 | 0.088 |
| | 45 | 9.733 | 33.672 | 25.960 | 204.4 | 0.098 |
| | 50 | 9.725 | 33.684 | 25.971 | 203.4 | 0.108 |
| | 60 | 9.434 | 33.742 | 26.064 | 194.8 | 0.128 |
| | 70 | 8.991 | 33.780 | 26.165 | 185.3 | 0.147 |
| | 80 | 8.660 | 33.831 | 26.256 | 176.8 | 0.165 |
| | 90 | 8.436 | 33.913 | 26.355 | 167.5 | 0.182 |
| | 100 | 8.548 | 33.976 | 26.387 | 164.7 | 0.199 |
| | 125 | 8.439 | 34.028 | 26.445 | 159.7 | 0.240 |
| | 150 | 8.293 | 34.056 | 26.489 | 155.9 | 0.279 |
| | 175 | 7.984 | 34.070 | 26.546 | 150.8 | 0.317 |
| | 200 | 7.634 | 34.073 | 26.600 | 146.0 | 0.354 |
| | 225 | 7.403 | 34.095 | 26.650 | 141.5 | 0.390 |
| | 250 | 7.326 | 34.134 | 26.691 | 137.9 | 0.425 |
| | 275 | 7.038 | 34.121 | 26.721 | 135.3 | 0.459 |
| | 300 | 6.926 | 34.155 | 26.763 | 131.6 | 0.493 |
| | 325 | 6.835 | 34.183 | 26.798 | 128.7 | 0.525 |
| | 350 | 6.625 | 34.180 | 26.824 | 126.5 | 0.557 |
| | 375 | 6.495 | 34.184 | 26.844 | 124.8 | 0.589 |
| | 400 | 6.402 | 34.195 | 26.865 | 123.1 | 0.620 |
| | 425 | 6.033 | 34.193 | 26.911 | 118.7 | 0.650 |
| | 450 | 5.861 | 34.209 | 26.945 | 115.7 | 0.679 |
| | 475 | 5.742 | 34.212 | 26.962 | 114.2 | 0.708 |
| | 499 | 5.683 | 34.219 | 26.975 | 113.3 | 0.735 |



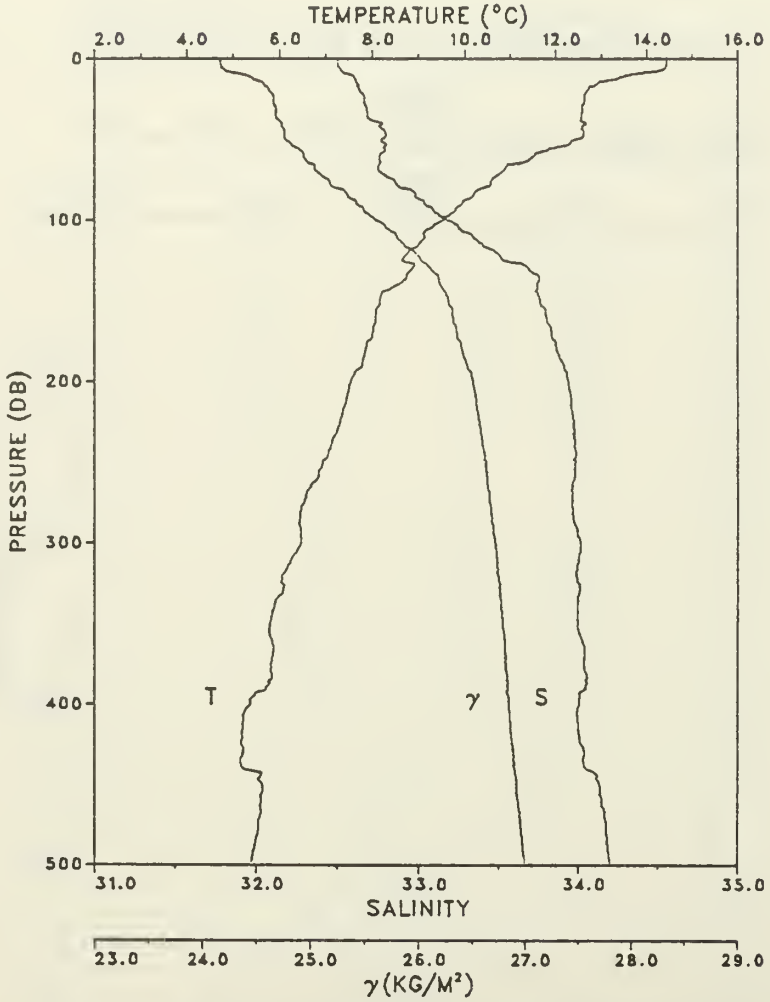

STATION: 109 LAT: 39 0.2 N LON: 124 12.6 W
DATE: 6/27/87 TIME: 1818Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.627 | 33.036 | 24.945 | 300.0 | 0.000 |
| 5 | 12.620 | 33.034 | 24.945 | 300.1 | 0.012 |
| 10 | 12.624 | 33.034 | 24.944 | 300.3 | 0.027 |
| 15 | 12.552 | 33.038 | 24.961 | 298.8 | 0.042 |
| 20 | 12.458 | 33.042 | 24.982 | 296.9 | 0.057 |
| 25 | 12.443 | 33.043 | 24.986 | 296.7 | 0.072 |
| 30 | 12.361 | 33.030 | 24.992 | 296.3 | 0.087 |
| 35 | 12.130 | 33.057 | 25.056 | 290.2 | 0.101 |
| 40 | 11.605 | 33.110 | 25.195 | 277.1 | 0.115 |
| 45 | 11.461 | 33.126 | 25.234 | 273.5 | 0.129 |
| 50 | 11.071 | 33.182 | 25.348 | 262.7 | 0.143 |
| 60 | 10.694 | 33.242 | 25.461 | 252.1 | 0.168 |
| 70 | 9.385 | 33.392 | 25.798 | 220.2 | 0.192 |
| 80 | 9.154 | 33.472 | 25.898 | 210.9 | 0.213 |
| 90 | 8.983 | 33.560 | 25.994 | 201.9 | 0.234 |
| 100 | 8.757 | 33.639 | 26.091 | 192.8 | 0.254 |
| 125 | 8.083 | 33.812 | 26.329 | 170.5 | 0.299 |
| 150 | 8.128 | 33.975 | 26.450 | 159.5 | 0.341 |
| 175 | 7.796 | 33.999 | 26.518 | 153.4 | 0.380 |
| 200 | 7.552 | 34.002 | 26.556 | 150.1 | 0.418 |
| 225 | 7.317 | 34.018 | 26.601 | 146.0 | 0.455 |
| 250 | 6.899 | 33.981 | 26.630 | 143.5 | 0.491 |
| 275 | 6.538 | 33.973 | 26.672 | 139.7 | 0.526 |
| 300 | 6.257 | 33.974 | 26.709 | 136.3 | 0.561 |
| 325 | 6.355 | 34.038 | 26.747 | 133.1 | 0.594 |
| 350 | 6.426 | 34.100 | 26.787 | 129.8 | 0.627 |
| 375 | 6.125 | 34.087 | 26.816 | 127.2 | 0.659 |
| 400 | 5.835 | 34.084 | 26.850 | 124.0 | 0.691 |
| 425 | 5.813 | 34.114 | 26.876 | 121.8 | 0.721 |
| 450 | 5.554 | 34.117 | 26.910 | 118.6 | 0.751 |
| 475 | 5.654 | 34.163 | 26.934 | 116.8 | 0.781 |
| 499 | 5.438 | 34.182 | 26.976 | 113.9 | 0.808 |



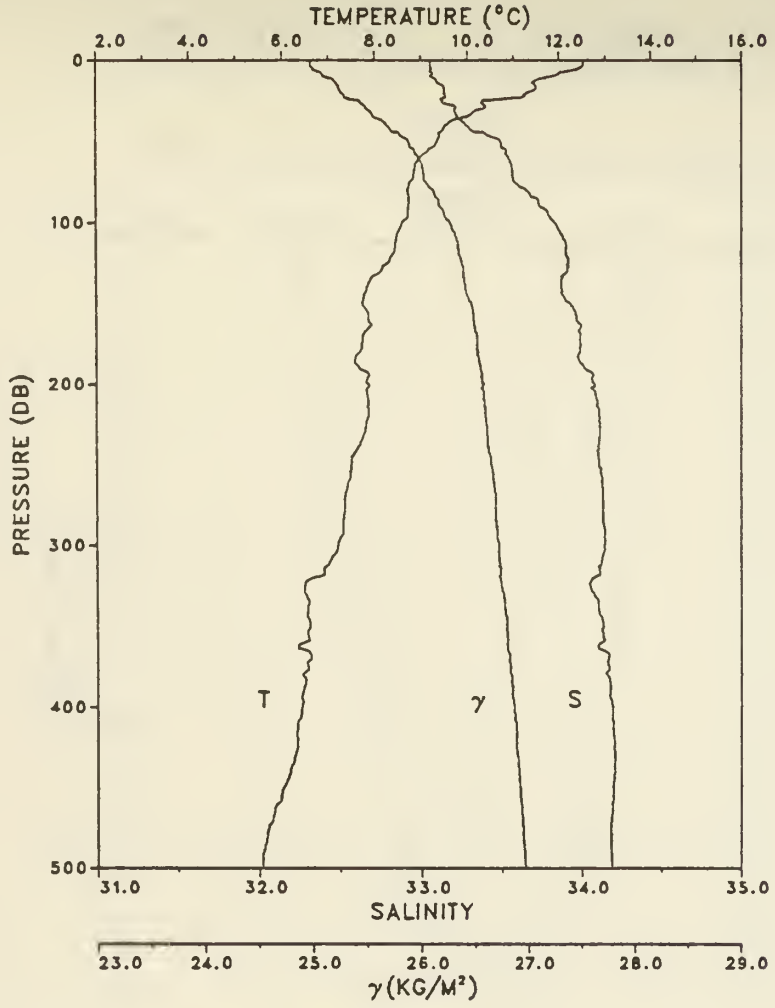

STATION: 110 LAT: 39 0.1 N LON: 124 21.1 W
DATE: 6/27/87 TIME: 1923Z

| | PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|---|
| * | 1 | 14.588 | 32.529 | 24.156 | 375.2 | 0.000 |
| | 5 | 14.571 | 32.526 | 24.158 | 375.2 | 0.015 |
| | 10 | 13.452 | 32.561 | 24.415 | 350.7 | 0.033 |
| | 15 | 12.541 | 32.658 | 24.669 | 326.7 | 0.050 |
| | 20 | 12.632 | 32.805 | 24.765 | 317.6 | 0.066 |
| | 25 | 12.512 | 32.807 | 24.790 | 315.4 | 0.082 |
| | 30 | 12.503 | 32.812 | 24.795 | 314.9 | 0.098 |
| | 35 | 12.510 | 32.815 | 24.796 | 315.0 | 0.114 |
| | 40 | 12.252 | 32.779 | 24.818 | 313.0 | 0.129 |
| | 45 | 11.817 | 32.744 | 24.872 | 307.9 | 0.145 |
| | 50 | 11.290 | 32.722 | 24.951 | 300.5 | 0.160 |
| | 60 | 10.757 | 32.770 | 25.082 | 288.1 | 0.189 |
| | 70 | 10.412 | 32.895 | 25.239 | 273.4 | 0.217 |
| | 80 | 10.160 | 32.979 | 25.348 | 263.2 | 0.244 |
| | 90 | 9.761 | 33.148 | 25.546 | 244.5 | 0.270 |
| | 100 | 9.116 | 33.302 | 25.771 | 223.3 | 0.293 |
| | 125 | 8.704 | 33.574 | 26.048 | 197.3 | 0.346 |
| | 150 | 8.159 | 33.758 | 26.275 | 176.1 | 0.392 |
| | 175 | 7.761 | 33.861 | 26.415 | 163.1 | 0.435 |
| | 200 | 7.456 | 33.928 | 26.511 | 154.3 | 0.474 |
| | 225 | 7.095 | 33.948 | 26.577 | 148.2 | 0.512 |
| | 250 | 6.597 | 33.952 | 26.648 | 141.7 | 0.548 |
| | 275 | 6.815 | 34.042 | 26.689 | 138.2 | 0.583 |
| | 300 | 6.712 | 34.061 | 26.718 | 135.8 | 0.618 |
| | 325 | 6.540 | 34.068 | 26.747 | 133.3 | 0.651 |
| | 350 | 6.336 | 34.079 | 26.782 | 130.2 | 0.684 |
| | 375 | 6.004 | 34.082 | 26.827 | 126.0 | 0.716 |
| | 400 | 5.652 | 34.056 | 26.850 | 123.8 | 0.747 |
| | 425 | 5.784 | 34.136 | 26.897 | 119.8 | 0.778 |
| | 450 | 5.885 | 34.191 | 26.928 | 117.3 | 0.808 |
| | 475 | 5.721 | 34.194 | 26.951 | 115.3 | 0.837 |
| | 499 | 5.580 | 34.209 | 26.980 | 112.7 | 0.864 |



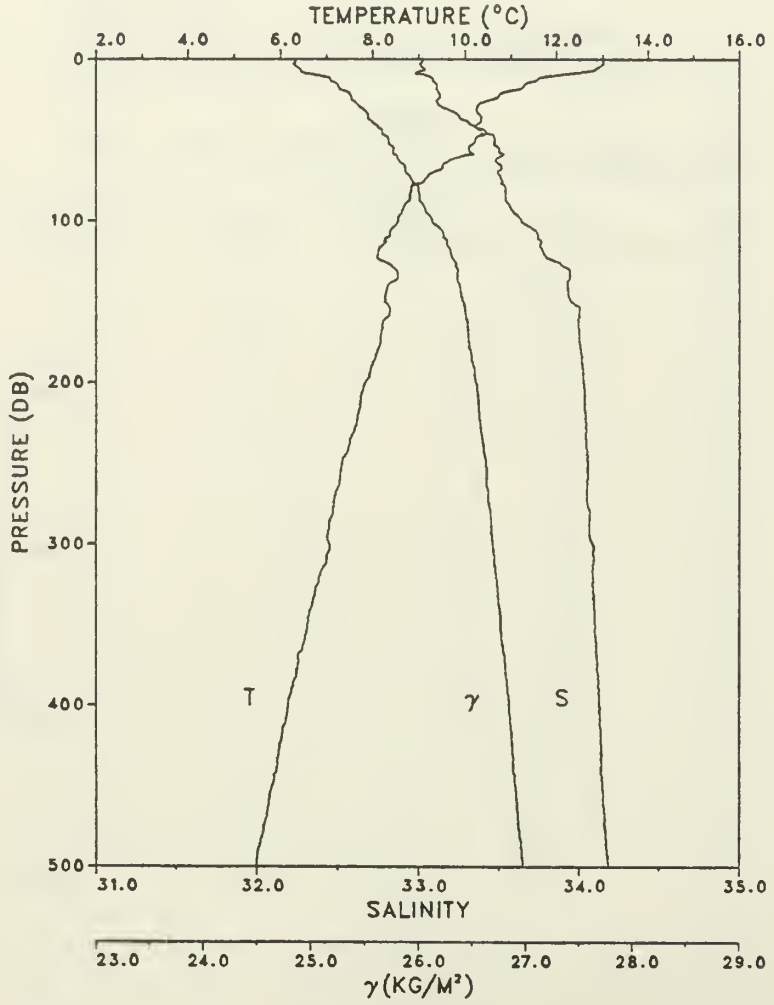

STATION: 111 LAT: 39 0.0 N LON: 124 29.1 W
DATE: 6/27/87 TIME: 2000Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 14.429 | 32.502 | 24.159 | 374.0 | 0.000 |
| 5 | 14.416 | 32.509 | 24.177 | 373.3 | 0.015 |
| 10 | 13.674 | 32.577 | 24.383 | 353.8 | 0.033 |
| 15 | 12.953 | 32.620 | 24.559 | 337.1 | 0.050 |
| 20 | 12.682 | 32.637 | 24.625 | 330.9 | 0.067 |
| 25 | 12.633 | 32.665 | 24.656 | 328.1 | 0.084 |
| 30 | 12.574 | 32.677 | 24.677 | 326.2 | 0.100 |
| 35 | 12.570 | 32.683 | 24.683 | 325.8 | 0.116 |
| 40 | 12.659 | 32.777 | 24.738 | 320.6 | 0.132 |
| 45 | 12.607 | 32.792 | 24.760 | 318.7 | 0.148 |
| 50 | 12.465 | 32.765 | 24.766 | 318.2 | 0.164 |
| 60 | 11.532 | 32.759 | 24.936 | 302.2 | 0.195 |
| 70 | 10.830 | 32.758 | 25.060 | 290.4 | 0.225 |
| 80 | 10.426 | 32.888 | 25.232 | 274.3 | 0.253 |
| 90 | 9.933 | 33.035 | 25.429 | 255.6 | 0.280 |
| 100 | 9.530 | 33.178 | 25.607 | 238.8 | 0.304 |
| 125 | 8.626 | 33.530 | 26.026 | 199.4 | 0.359 |
| 150 | 8.159 | 33.758 | 26.275 | 176.1 | 0.406 |
| 175 | 7.900 | 33.854 | 26.389 | 165.6 | 0.449 |
| 200 | 7.528 | 33.934 | 26.505 | 154.8 | 0.489 |
| 225 | 7.301 | 33.967 | 26.564 | 149.6 | 0.527 |
| 250 | 6.925 | 33.978 | 26.624 | 144.1 | 0.564 |
| 275 | 6.521 | 33.958 | 26.662 | 140.6 | 0.599 |
| 300 | 6.454 | 34.014 | 26.715 | 135.9 | 0.634 |
| 325 | 6.062 | 34.009 | 26.762 | 131.5 | 0.667 |
| 350 | 5.788 | 33.994 | 26.784 | 129.5 | 0.700 |
| 375 | 5.809 | 34.033 | 26.812 | 127.2 | 0.732 |
| 400 | 5.351 | 34.003 | 26.844 | 124.1 | 0.763 |
| 425 | 5.168 | 34.020 | 26.879 | 120.9 | 0.794 |
| 450 | 5.622 | 34.132 | 26.914 | 118.4 | 0.824 |
| 475 | 5.547 | 34.173 | 26.955 | 114.7 | 0.853 |
| 499 | 5.390 | 34.195 | 26.992 | 111.4 | 0.880 |



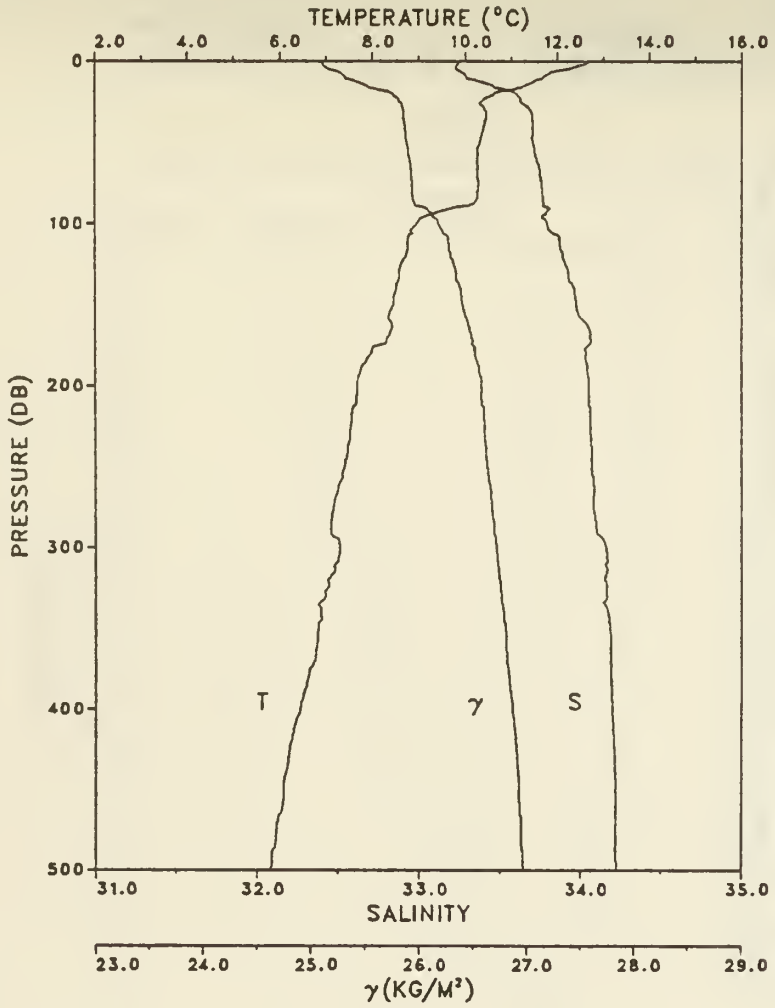

STATION: 112 LAT: 38 36.5 N LON: 124 2.1 W
DATE: 6/28/87 TIME: 0200Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.522 | 33.058 | 24.982 | 296.5 | 0.000 |
| 5 | 12.461 | 33.067 | 25.001 | 294.8 | 0.012 |
| 10 | 11.875 | 33.056 | 25.103 | 285.2 | 0.026 |
| 15 | 11.470 | 33.119 | 25.227 | 273.5 | 0.040 |
| 20 | 11.310 | 33.140 | 25.272 | 269.3 | 0.054 |
| 25 | 10.330 | 33.134 | 25.440 | 253.4 | 0.067 |
| 30 | 10.346 | 33.209 | 25.495 | 248.2 | 0.079 |
| 35 | 9.995 | 33.223 | 25.566 | 241.6 | 0.092 |
| 40 | 9.551 | 33.278 | 25.682 | 230.6 | 0.104 |
| 45 | 9.394 | 33.390 | 25.795 | 220.0 | 0.115 |
| 50 | 9.346 | 33.490 | 25.881 | 211.9 | 0.126 |
| 60 | 8.977 | 33.544 | 25.982 | 202.5 | 0.146 |
| 70 | 8.843 | 33.569 | 26.033 | 198.8 | 0.166 |
| 80 | 8.709 | 33.656 | 26.112 | 190.5 | 0.186 |
| 90 | 8.735 | 33.738 | 26.172 | 185.0 | 0.205 |
| 100 | 8.589 | 33.831 | 26.267 | 176.1 | 0.223 |
| 125 | 8.294 | 33.917 | 26.380 | 165.8 | 0.265 |
| 150 | 7.736 | 33.927 | 26.470 | 157.5 | 0.306 |
| 175 | 7.730 | 33.991 | 26.521 | 153.0 | 0.345 |
| 200 | 7.875 | 34.084 | 26.573 | 148.6 | 0.382 |
| 225 | 7.802 | 34.110 | 26.604 | 146.0 | 0.419 |
| 250 | 7.481 | 34.107 | 26.648 | 142.1 | 0.455 |
| 275 | 7.345 | 34.131 | 26.686 | 138.8 | 0.490 |
| 300 | 7.194 | 34.141 | 26.715 | 136.3 | 0.525 |
| 325 | 6.472 | 34.052 | 26.743 | 133.6 | 0.558 |
| 350 | 6.596 | 34.131 | 26.789 | 129.7 | 0.591 |
| 375 | 6.549 | 34.169 | 26.825 | 126.6 | 0.623 |
| 400 | 6.409 | 34.188 | 26.859 | 123.7 | 0.655 |
| 425 | 6.310 | 34.200 | 26.881 | 121.8 | 0.685 |
| 450 | 6.009 | 34.192 | 26.913 | 118.8 | 0.715 |
| 475 | 5.694 | 34.182 | 26.944 | 115.9 | 0.745 |
| 499 | 5.553 | 34.186 | 26.965 | 114.1 | 0.772 |



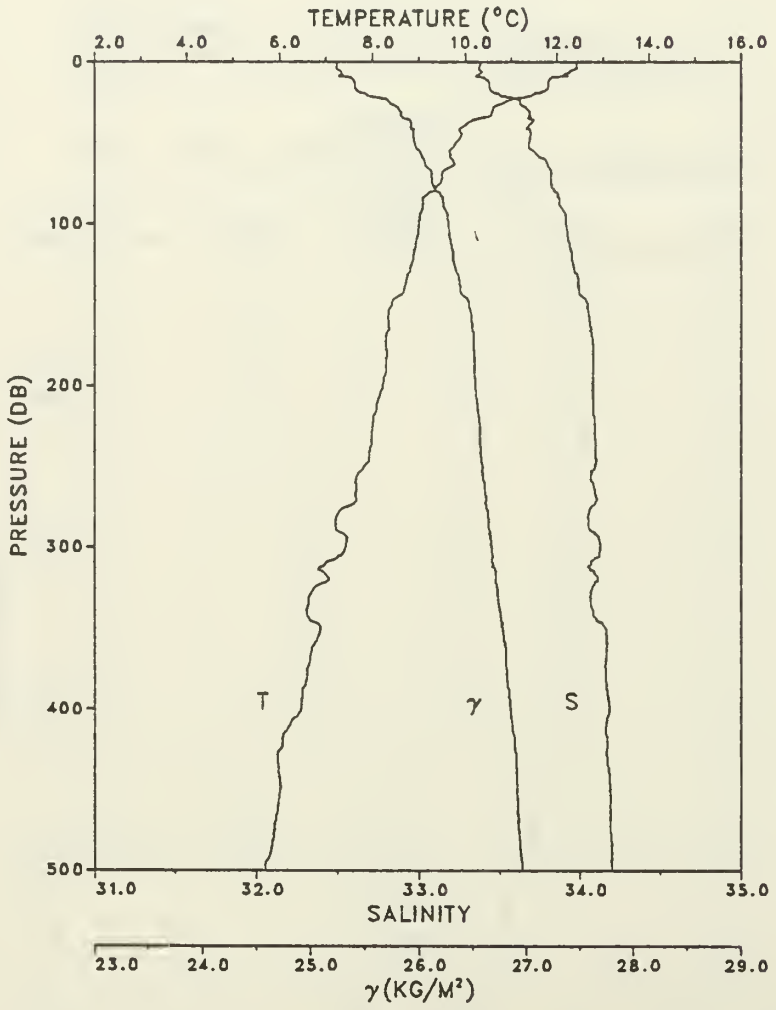

STATION: 113 LAT: 38 32.3 N LON: 123 59.2 W
DATE: 6/28/87 TIME: 0300Z

| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 13.025 | 33.023 | 24.857 | 308.4 | 0.000 |
| 5 | 12.939 | 33.020 | 24.872 | 307.1 | 0.012 |
| 10 | 12.122 | 33.038 | 25.043 | 290.9 | 0.027 |
| 15 | 11.368 | 33.106 | 25.235 | 272.7 | 0.041 |
| 20 | 10.924 | 33.122 | 25.327 | 264.1 | 0.055 |
| 25 | 10.600 | 33.118 | 25.381 | 259.0 | 0.068 |
| 30 | 10.269 | 33.143 | 25.457 | 251.9 | 0.081 |
| 35 | 10.332 | 33.250 | 25.530 | 245.1 | 0.093 |
| 40 | 10.322 | 33.306 | 25.575 | 240.9 | 0.105 |
| 45 | 10.345 | 33.416 | 25.657 | 233.2 | 0.117 |
| 50 | 10.230 | 33.470 | 25.719 | 227.4 | 0.129 |
| 60 | 9.981 | 33.522 | 25.802 | 219.7 | 0.151 |
| 70 | 9.353 | 33.486 | 25.877 | 212.7 | 0.173 |
| 80 | 8.839 | 33.535 | 25.997 | 201.4 | 0.193 |
| 90 | 8.702 | 33.560 | 26.037 | 197.7 | 0.213 |
| 100 | 8.540 | 33.637 | 26.123 | 189.8 | 0.233 |
| 125 | 8.244 | 33.850 | 26.335 | 170.0 | 0.278 |
| 150 | 8.250 | 33.951 | 26.413 | 163.0 | 0.319 |
| 175 | 8.162 | 34.001 | 26.465 | 158.5 | 0.359 |
| 200 | 7.828 | 34.027 | 26.535 | 152.1 | 0.398 |
| 225 | 7.657 | 34.043 | 26.573 | 148.9 | 0.436 |
| 250 | 7.331 | 34.051 | 26.625 | 144.2 | 0.472 |
| 275 | 7.153 | 34.050 | 26.650 | 142.2 | 0.508 |
| 300 | 7.076 | 34.085 | 26.688 | 138.9 | 0.543 |
| 325 | 6.791 | 34.084 | 26.726 | 135.5 | 0.578 |
| 350 | 6.592 | 34.099 | 26.764 | 132.0 | 0.611 |
| 375 | 6.380 | 34.115 | 26.805 | 128.4 | 0.644 |
| 400 | 6.175 | 34.127 | 26.841 | 125.2 | 0.675 |
| 425 | 5.991 | 34.138 | 26.873 | 122.3 | 0.706 |
| 450 | 5.824 | 34.146 | 26.900 | 119.9 | 0.737 |
| 475 | 5.654 | 34.163 | 26.934 | 116.8 | 0.766 |
| 499 | 5.485 | 34.183 | 26.971 | 113.4 | 0.794 |




STATION: 114 LAT: 38 25.6 N LON: 123 54.4 W
DATE: 6/28/87 TIME: 0400Z

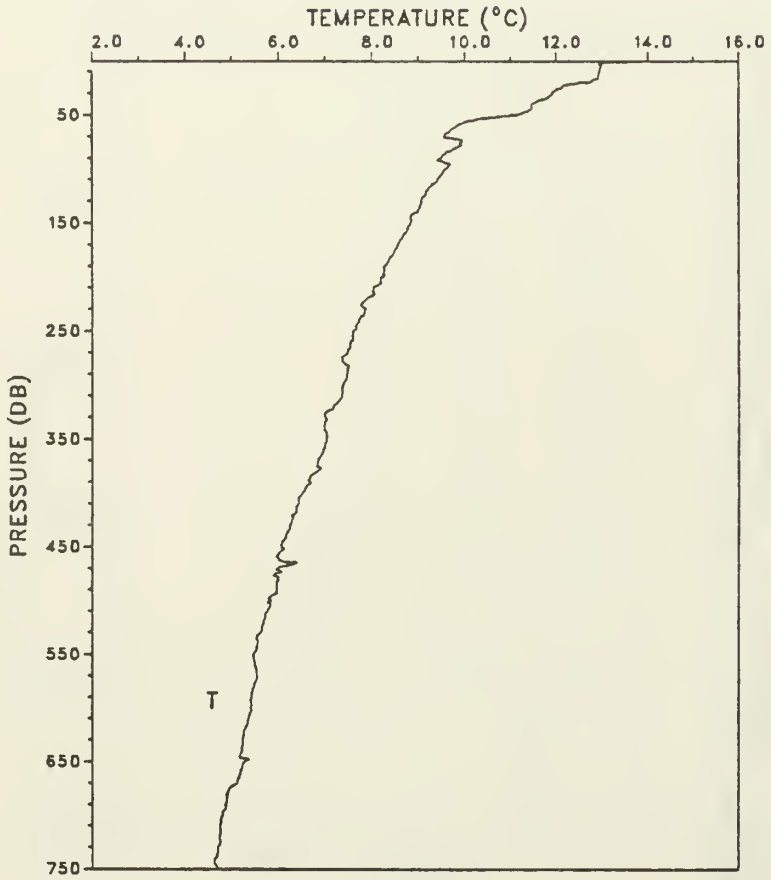
| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.658 | 33.239 | 25.096 | 285.6 | 0.000 |
| 5 | 12.255 | 33.228 | 25.165 | 279.2 | 0.011 |
| 10 | 11.692 | 33.293 | 25.321 | 264.4 | 0.025 |
| 15 | 11.311 | 33.451 | 25.514 | 246.2 | 0.038 |
| 20 | 10.598 | 33.604 | 25.760 | 222.9 | 0.049 |
| 25 | 10.324 | 33.625 | 25.824 | 217.0 | 0.060 |
| 30 | 10.421 | 33.688 | 25.856 | 214.0 | 0.071 |
| 35 | 10.450 | 33.699 | 25.860 | 213.7 | 0.082 |
| 40 | 10.405 | 33.704 | 25.871 | 212.7 | 0.093 |
| 45 | 10.354 | 33.702 | 25.879 | 212.1 | 0.103 |
| 50 | 10.307 | 33.705 | 25.889 | 211.3 | 0.114 |
| 60 | 10.267 | 33.727 | 25.913 | 209.2 | 0.135 |
| 70 | 10.268 | 33.750 | 25.931 | 207.7 | 0.156 |
| 80 | 10.268 | 33.761 | 25.939 | 207.1 | 0.176 |
| 90 | 9.798 | 33.795 | 26.045 | 197.2 | 0.197 |
| 100 | 8.947 | 33.792 | 26.181 | 184.3 | 0.216 |
| 125 | 8.620 | 33.909 | 26.324 | 171.2 | 0.260 |
| 150 | 8.447 | 33.974 | 26.401 | 164.2 | 0.302 |
| 175 | 8.148 | 34.050 | 26.506 | 154.6 | 0.342 |
| 200 | 7.672 | 34.051 | 26.577 | 148.1 | 0.380 |
| 225 | 7.533 | 34.062 | 26.605 | 145.8 | 0.416 |
| 250 | 7.394 | 34.070 | 26.631 | 143.6 | 0.453 |
| 275 | 7.154 | 34.084 | 26.676 | 139.7 | 0.488 |
| 300 | 7.292 | 34.162 | 26.718 | 136.1 | 0.522 |
| 325 | 7.024 | 34.163 | 26.756 | 132.7 | 0.556 |
| 350 | 6.830 | 34.186 | 26.801 | 128.8 | 0.589 |
| 375 | 6.647 | 34.190 | 26.829 | 126.4 | 0.621 |
| 400 | 6.442 | 34.200 | 26.864 | 123.2 | 0.652 |
| 425 | 6.210 | 34.212 | 26.903 | 119.6 | 0.682 |
| 450 | 6.083 | 34.216 | 26.923 | 118.0 | 0.712 |
| 475 | 5.917 | 34.221 | 26.948 | 115.8 | 0.741 |
| 499 | 5.791 | 34.223 | 26.965 | 114.3 | 0.769 |




STATION: 115 LAT: 38 18.6 N LON: 123 50.6 W
DATE: 6/28/87 TIME: 0500Z

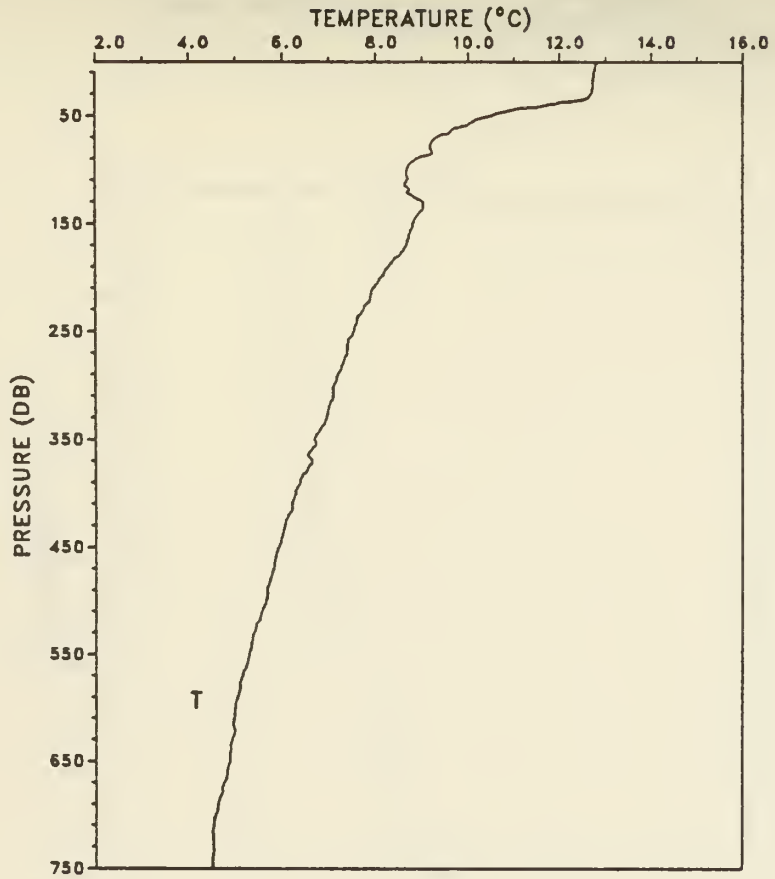
| PRESS | TEMP | SAL | DENSITY ANOMALY | SVA | SUM DYN |
|---|---|---|---|---|---|
| 1 | 12.425 | 33.379 | 25.250 | 271.0 | 0.000 |
| 5 | 12.373 | 33.369 | 25.252 | 270.9 | 0.011 |
| 10 | 11.874 | 33.399 | 25.370 | 259.8 | 0.024 |
| 15 | 11.810 | 33.433 | 25.408 | 256.3 | 0.037 |
| 20 | 11.516 | 33.493 | 25.509 | 246.8 | 0.050 |
| 25 | 10.852 | 33.625 | 25.732 | 225.7 | 0.061 |
| 30 | 10.580 | 33.681 | 25.823 | 217.1 | 0.072 |
| 35 | 10.332 | 33.674 | 25.860 | 213.7 | 0.083 |
| 40 | 9.973 | 33.674 | 25.922 | 207.9 | 0.094 |
| 45 | 9.919 | 33.695 | 25.947 | 205.6 | 0.104 |
| 50 | 9.787 | 33.681 | 25.958 | 204.6 | 0.114 |
| 60 | 9.701 | 33.771 | 26.043 | 196.8 | 0.134 |
| 70 | 9.488 | 33.819 | 26.115 | 190.1 | 0.154 |
| 80 | 9.300 | 33.837 | 26.160 | 186.0 | 0.173 |
| 90 | 9.075 | 33.886 | 26.234 | 179.1 | 0.191 |
| 100 | 8.994 | 33.912 | 26.267 | 176.1 | 0.209 |
| 125 | 8.834 | 33.957 | 26.328 | 170.8 | 0.252 |
| 150 | 8.410 | 34.046 | 26.463 | 158.3 | 0.293 |
| 175 | 8.294 | 34.080 | 26.508 | 154.5 | 0.332 |
| 200 | 8.211 | 34.080 | 26.520 | 153.7 | 0.371 |
| 225 | 7.993 | 34.091 | 26.561 | 150.2 | 0.409 |
| 250 | 7.803 | 34.091 | 26.589 | 147.8 | 0.446 |
| 275 | 7.457 | 34.067 | 26.620 | 145.1 | 0.483 |
| 300 | 7.414 | 34.126 | 26.673 | 140.5 | 0.518 |
| 325 | 6.745 | 34.075 | 26.725 | 135.5 | 0.553 |
| 350 | 6.883 | 34.160 | 26.773 | 131.4 | 0.586 |
| 375 | 6.589 | 34.159 | 26.812 | 127.9 | 0.619 |
| 400 | 6.461 | 34.182 | 26.847 | 124.8 | 0.650 |
| 425 | 6.029 | 34.163 | 26.888 | 120.9 | 0.681 |
| 450 | 6.007 | 34.186 | 26.909 | 119.2 | 0.711 |
| 475 | 5.882 | 34.190 | 26.928 | 117.7 | 0.741 |
| 499 | 5.673 | 34.199 | 26.961 | 114.6 | 0.768 |

Figure 39. Listing of temperature at selected pressures and profiles of temperature (T) for all XBT stations of cruise CTZ2.



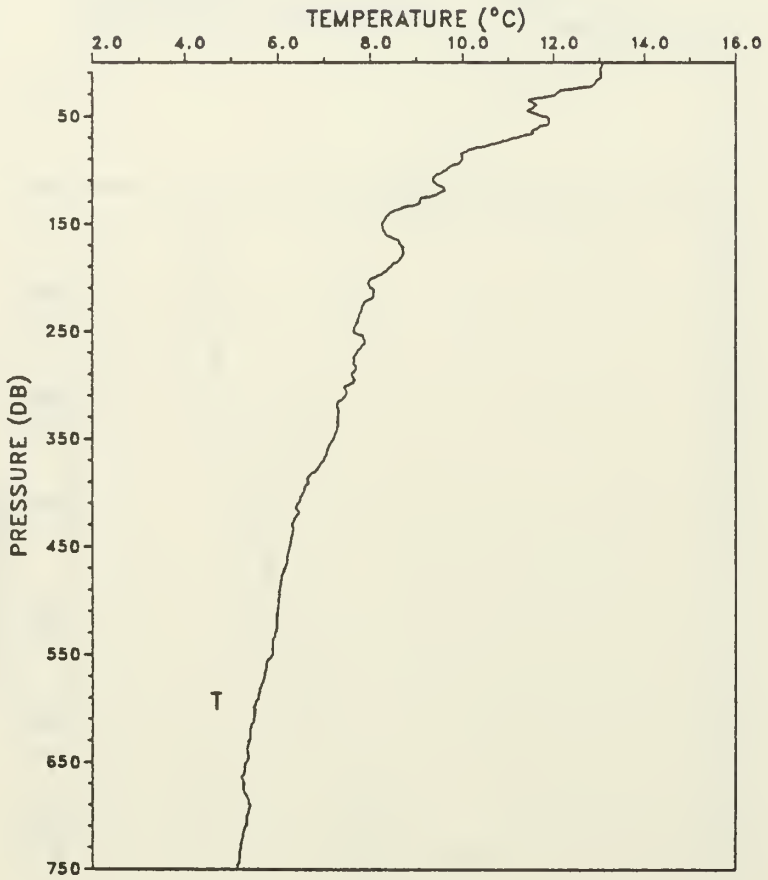

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.650 | 550 | 5.480 |
| 5 | 12.970 | 601 | 5.410 |
| 10 | 12.950 | 650 | 5.280 |
| 15 | 12.920 | 701 | 4.800 |
| 20 | 12.730 | 750 | 4.700 |
| 26 | 12.060 | | |
| 30 | 11.920 | | |
| 35 | 11.770 | | |
| 40 | 11.480 | | |
| 46 | 11.400 | | |
| 50 | 11.150 | | |
| 60 | 9.830 | | |
| 70 | 9.550 | | |
| 81 | 9.800 | | |
| 90 | 9.490 | | |
| 100 | 9.590 | | |
| 125 | 9.130 | | |
| 150 | 8.830 | | |
| 175 | 8.590 | | |
| 200 | 8.230 | | |
| 225 | 7.780 | | |
| 250 | 7.610 | | |
| 276 | 7.380 | | |
| 300 | 7.380 | | |
| 325 | 7.020 | | |
| 350 | 7.040 | | |
| 375 | 6.810 | | |
| 400 | 6.510 | | |
| 425 | 6.280 | | |
| 450 | 6.080 | | |
| 475 | 5.940 | | |
| 500 | 5.820 | | |

STATION: 426 LAT: 38 43.1 N LON: 124 31.2 W
DATE: 6/18/87 TIME: 1000Z



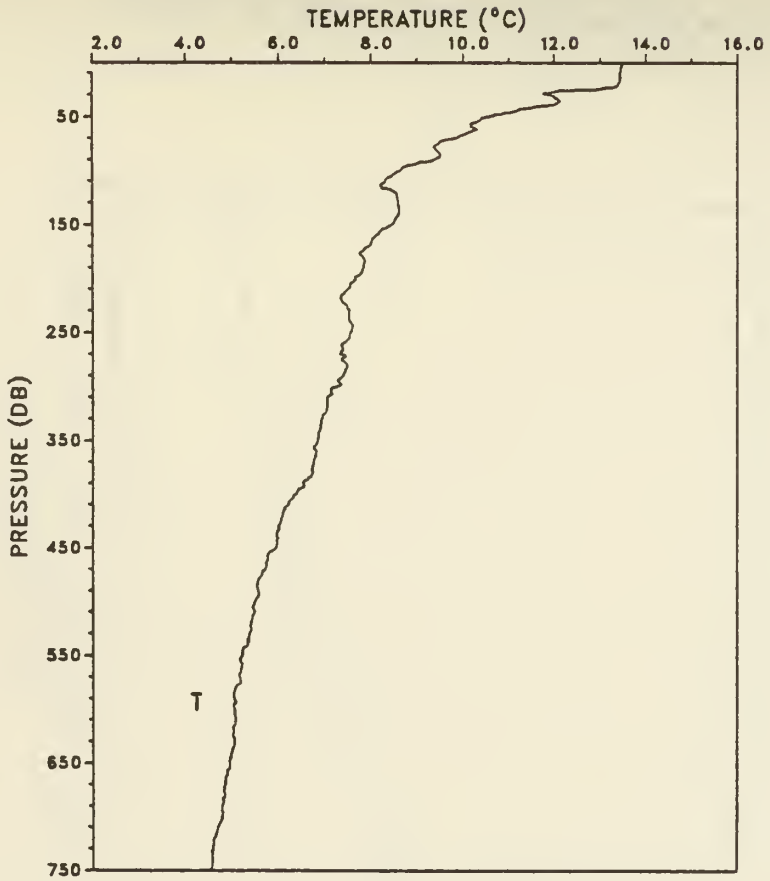

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.760 | 550 | 5.290 |
| 6 | 12.765 | 601 | 4.980 |
| 10 | 12.750 | 650 | 4.870 |
| 16 | 12.735 | 701 | 4.575 |
| 20 | 12.730 | 750 | 4.500 |
| 26 | 12.710 | | |
| 30 | 12.690 | | |
| 36 | 12.530 | | |
| 40 | 11.780 | | |
| 46 | 10.815 | | |
| 50 | 10.525 | | |
| 60 | 9.920 | | |
| 70 | 9.325 | | |
| 81 | 9.200 | | |
| 91 | 8.845 | | |
| 100 | 8.675 | | |
| 125 | 8.835 | | |
| 151 | 8.800 | | |
| 175 | 8.590 | | |
| 200 | 8.100 | | |
| 225 | 7.790 | | |
| 250 | 7.535 | | |
| 276 | 7.340 | | |
| 300 | 7.110 | | |
| 325 | 6.980 | | |
| 350 | 6.700 | | |
| 376 | 6.560 | | |
| 400 | 6.300 | | |
| 426 | 6.080 | | |
| 450 | 5.915 | | |
| 475 | 5.780 | | |
| 501 | 5.640 | | |

STATION: 479 LAT: 38 13.3 N LON: 124 5.6 W
DATE: 6/22/87 TIME: 0753Z



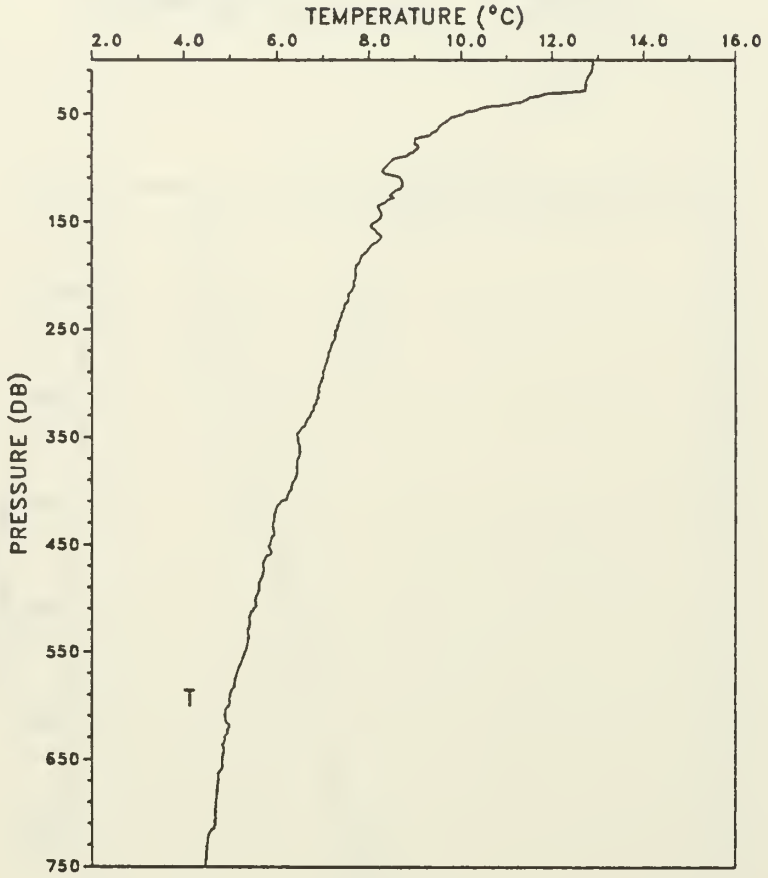

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.080 | 550 | 5.880 |
| 6 | 13.030 | 601 | 5.505 |
| 10 | 13.030 | 650 | 5.315 |
| 16 | 13.010 | 701 | 5.340 |
| 20 | 12.910 | 750 | 5.130 |
| 26 | 12.230 | | |
| 30 | 12.050 | | |
| 36 | 11.440 | | |
| 40 | 11.620 | | |
| 46 | 11.505 | | |
| 50 | 11.760 | | |
| 60 | 11.690 | | |
| 70 | 11.200 | | |
| 81 | 10.200 | | |
| 91 | 9.975 | | |
| 100 | 9.645 | | |
| 125 | 9.285 | | |
| 151 | 8.250 | | |
| 175 | 8.700 | | |
| 200 | 8.100 | | |
| 225 | 7.840 | | |
| 250 | 7.640 | | |
| 276 | 7.650 | | |
| 300 | 7.530 | | |
| 325 | 7.320 | | |
| 350 | 7.190 | | |
| 376 | 6.880 | | |
| 400 | 6.535 | | |
| 426 | 6.345 | | |
| 450 | 6.245 | | |
| 475 | 6.100 | | |
| 501 | 6.020 | | |

STATION: 480 LAT: 38 5.2 N LON: 124 6.1 W
DATE: 6/22/87 TIME: 0853Z



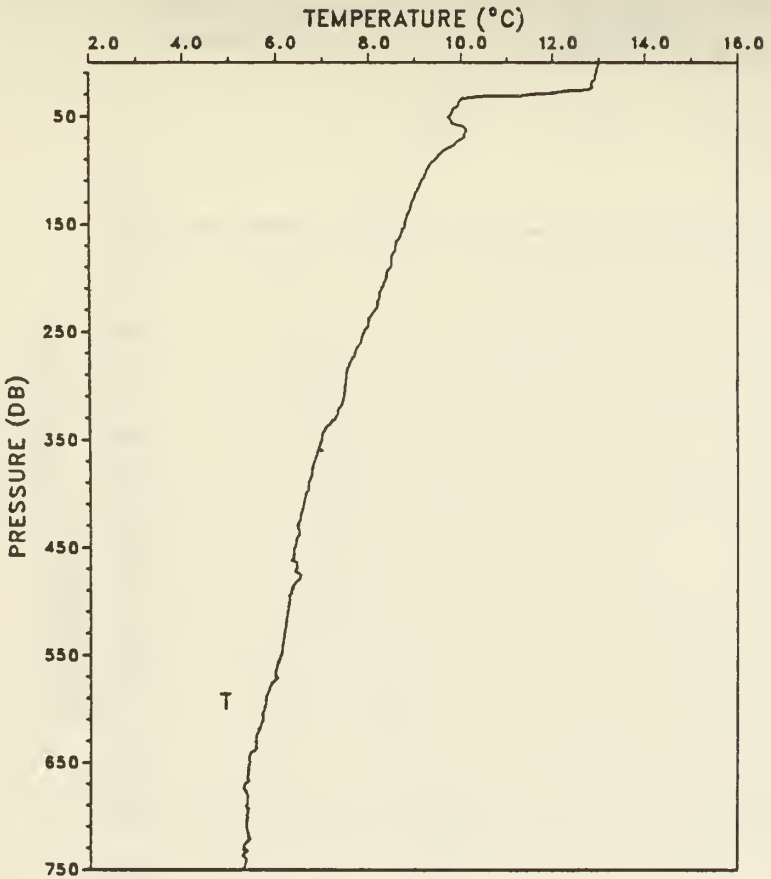

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.485 | 550 | 5.220 |
| 6 | 13.450 | 601 | 5.055 |
| 10 | 13.430 | 650 | 4.940 |
| 16 | 13.430 | 701 | 4.775 |
| 20 | 13.400 | 750 | 4.550 |
| 26 | 12.350 | | |
| 30 | 11.880 | | |
| 36 | 12.135 | | |
| 40 | 11.870 | | |
| 46 | 11.035 | | |
| 50 | 10.585 | | |
| 60 | 10.220 | | |
| 70 | 9.860 | | |
| 81 | 9.430 | | |
| 91 | 9.320 | | |
| 100 | 8.635 | | |
| 125 | 8.585 | | |
| 151 | 8.430 | | |
| 175 | 7.800 | | |
| 200 | 7.660 | | |
| 225 | 7.480 | | |
| 250 | 7.560 | | |
| 276 | 7.375 | | |
| 300 | 7.280 | | |
| 325 | 7.000 | | |
| 350 | 6.840 | | |
| 376 | 6.730 | | |
| 400 | 6.380 | | |
| 426 | 6.040 | | |
| 450 | 5.940 | | |
| 475 | 5.630 | | |
| 501 | 5.475 | | |

STATION: 481 LAT: 38 9.9 N LON: 124 9.1 W
DATE: 6/22/87 TIME: 1000Z



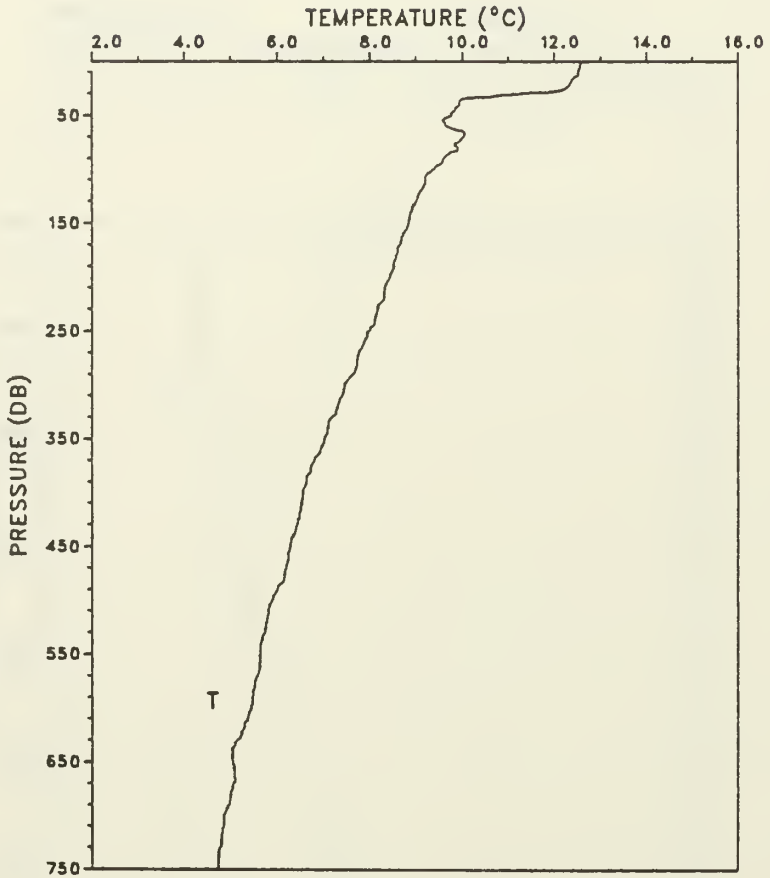

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.890 | 550 | 5.305 |
| 6 | 12.890 | 601 | 4.955 |
| 10 | 12.870 | 650 | 4.825 |
| 16 | 12.790 | 701 | 4.665 |
| 20 | 12.750 | 750 | 4.450 |
| 26 | 12.730 | | |
| 30 | 12.645 | | |
| 36 | 11.505 | | |
| 40 | 11.310 | | |
| 46 | 10.360 | | |
| 50 | 10.080 | | |
| 60 | 9.590 | | |
| 70 | 9.330 | | |
| 81 | 9.085 | | |
| 91 | 8.630 | | |
| 100 | 8.340 | | |
| 125 | 8.460 | | |
| 151 | 8.130 | | |
| 175 | 8.000 | | |
| 200 | 7.710 | | |
| 225 | 7.520 | | |
| 250 | 7.310 | | |
| 276 | 7.100 | | |
| 300 | 6.940 | | |
| 325 | 6.780 | | |
| 350 | 6.450 | | |
| 376 | 6.430 | | |
| 400 | 6.280 | | |
| 426 | 5.935 | | |
| 450 | 5.850 | | |
| 475 | 5.710 | | |
| 501 | 5.540 | | |

STATION: 482 LAT: 38 14.5 N LON: 124 11.4 W
DATE: 6/22/87 TIME: 1053Z



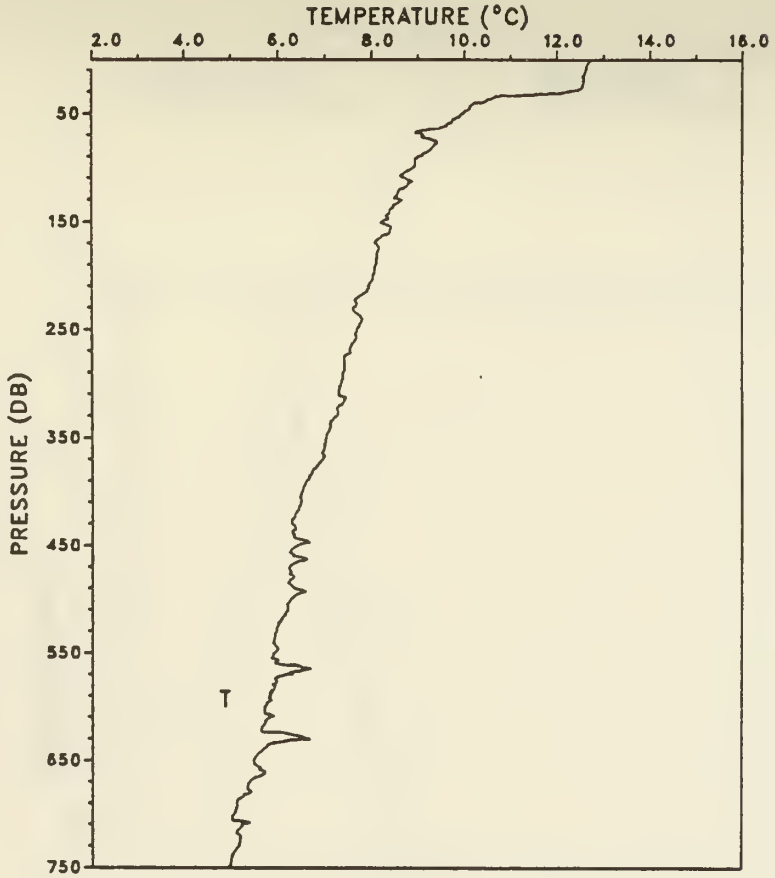

| | PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|---|
| | 1 | 13.000 | 550 | 6.105 |
| | 6 | 12.965 | 601 | 5.725 |
| | 10 | 12.950 | 650 | 5.410 |
| | 16 | 12.915 | 701 | 5.395 |
| | 20 | 12.830 | 750 | 5.295 |
| | 26 | 12.650 | | |
| | 30 | 11.610 | | |
| | 36 | 9.990 | | |
| | 40 | 9.950 | | |
| | 46 | 9.800 | | |
| | 50 | 9.740 | | |
| | 60 | 10.070 | | |
| | 70 | 10.065 | | |
| | 81 | 9.665 | | |
| | 91 | 9.415 | | |
| | 100 | 9.255 | | |
| | 125 | 8.985 | | |
| | 151 | 8.780 | | |
| | 175 | 8.570 | | |
| | 200 | 8.375 | | |
| | 225 | 8.190 | | |
| | 250 | 7.910 | | |
| | 276 | 7.635 | | |
| • | 300 | 7.489 | | |
| | 325 | 7.330 | | |
| • | 350 | 6.978 | | |
| | 376 | 6.780 | | |
| | 400 | 6.640 | | |
| | 426 | 6.495 | | |
| | 450 | 6.380 | | |
| | 475 | 6.510 | | |
| • | 501 | 6.270 | | |

STATION: 483 LAT: 38 35.7 N LON: 124 22.1 W
DATE: 6/22/87 TIME: 1553Z



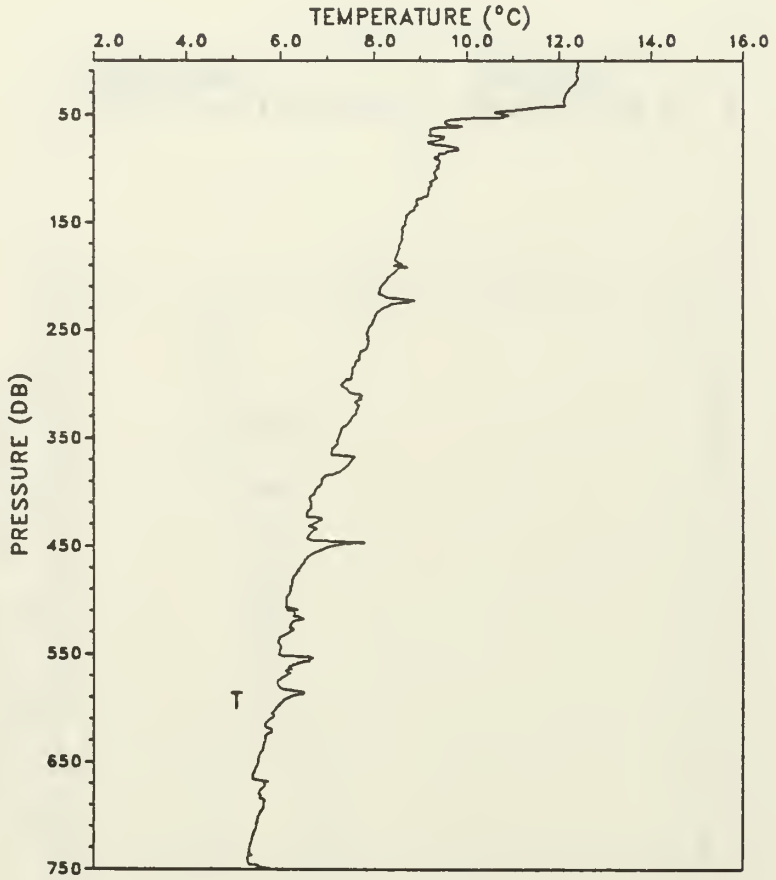

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.590 | 550 | 5.635 |
| 6 | 12.560 | 601 | 5.445 |
| 10 | 12.525 | 650 | 5.045 |
| 16 | 12.425 | 701 | 4.860 |
| 20 | 12.360 | 750 | 4.720 |
| 26 | 12.205 | | |
| 30 | 11.460 | | |
| 36 | 9.980 | | |
| 40 | 9.940 | | |
| 46 | 9.825 | | |
| 50 | 9.760 | | |
| 60 | 9.640 | | |
| 70 | 10.015 | | |
| 81 | 9.900 | | |
| 91 | 9.580 | | |
| 100 | 9.380 | | |
| 125 | 9.030 | | |
| 151 | 8.840 | | |
| 175 | 8.590 | | |
| 200 | 8.435 | | |
| 225 | 8.200 | | |
| 250 | 7.975 | | |
| 276 | 7.725 | | |
| 300 | 7.460 | | |
| 325 | 7.260 | | |
| 350 | 7.020 | | |
| 376 | 6.735 | | |
| 400 | 6.570 | | |
| 426 | 6.450 | | |
| 450 | 6.290 | | |
| 475 | 6.170 | | |
| 501 | 5.880 | | |

STATION: 484 LAT: 38 33.6 N LON: 124 24.0 W
DATE: 6/22/87 TIME: 1911Z



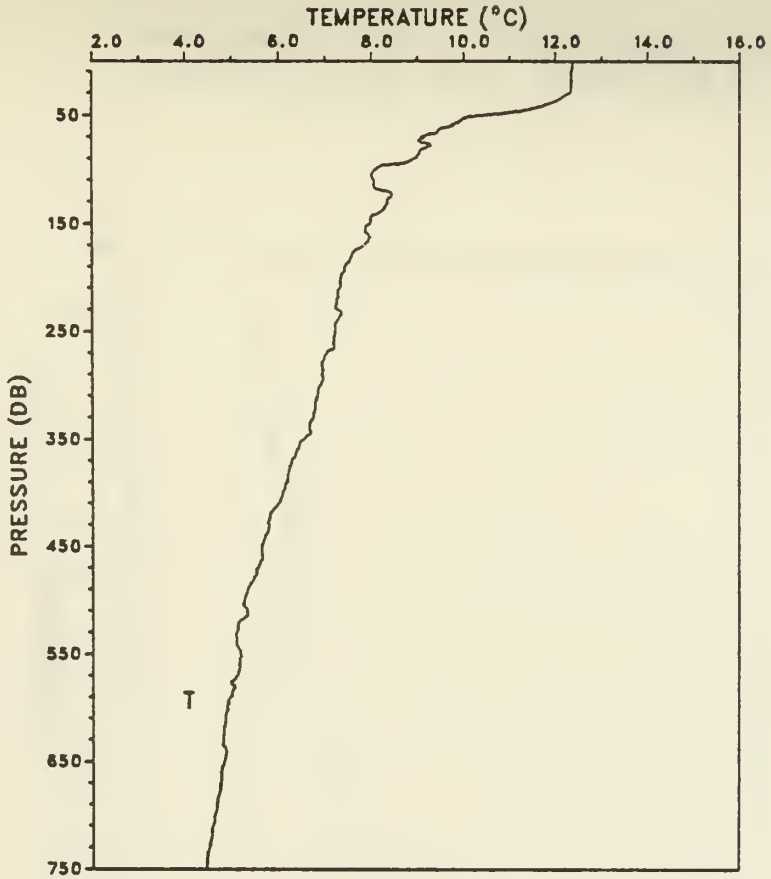

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.725 | 550 | 5.930 |
| 6 | 12.635 | 601 | 5.715 |
| 10 | 12.615 | 650 | 5.495 |
| 16 | 12.575 | 701 | 5.040 |
| 20 | 12.580 | 750 | 4.970 |
| 26 | 12.550 | | |
| 30 | 12.270 | | |
| 36 | 10.650 | | |
| 40 | 10.410 | | |
| 46 | 10.115 | | |
| 50 | 9.980 | | |
| 60 | 9.640 | | |
| 70 | 9.135 | | |
| 81 | 9.335 | | |
| 91 | 8.975 | | |
| 100 | 8.915 | | |
| 125 | 8.550 | | |
| 151 | 8.210 | | |
| 175 | 8.150 | | |
| 200 | 8.040 | | |
| 225 | 7.680 | | |
| 250 | 7.680 | | |
| 276 | 7.420 | | |
| 300 | 7.350 | | |
| 325 | 7.270 | | |
| 350 | 7.030 | | |
| 376 | 6.840 | | |
| 400 | 6.515 | | |
| 426 | 6.300 | | |
| 450 | 6.420 | | |
| 475 | 6.270 | | |
| 501 | 6.260 | | |

STATION: 485 LAT: 38 28.2 N LON: 124 24.7 W
DATE: 6/22/87 TIME: 2006Z



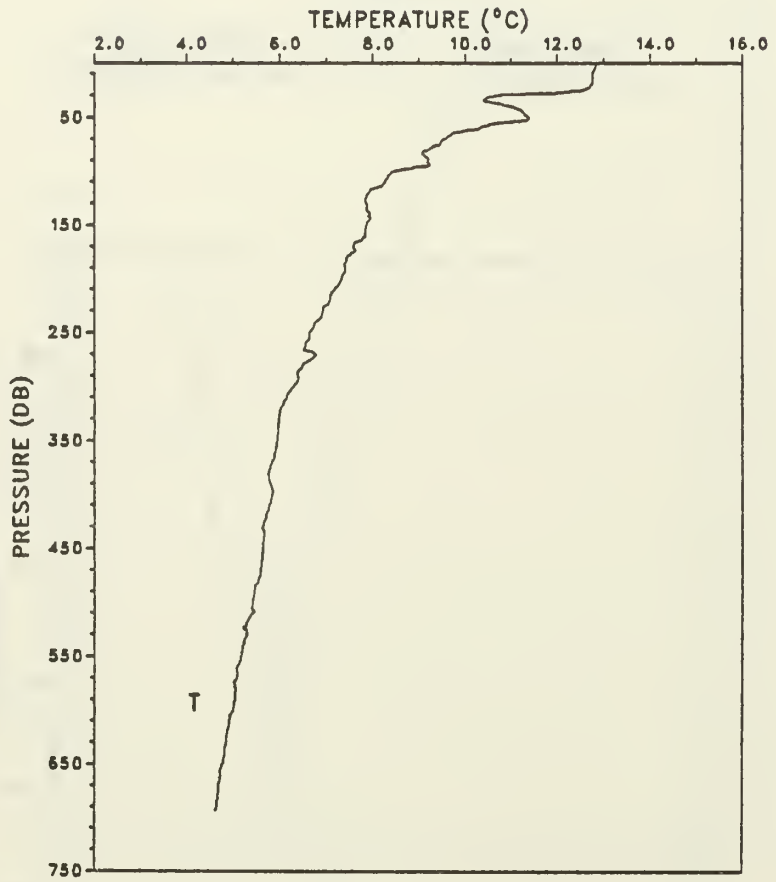

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.390 | 550 | 5.980 |
| 6 | 12.400 | 601 | 5.910 |
| 10 | 12.390 | 650 | 5.520 |
| 16 | 12.405 | 701 | 5.525 |
| 20 | 12.360 | 750 | 5.785 |
| 26 | 12.220 | | |
| 30 | 12.165 | | |
| 36 | 12.115 | | |
| 40 | 12.120 | | |
| 46 | 11.030 | | |
| 50 | 10.800 | | |
| 60 | 9.620 | | |
| 70 | 9.315 | | |
| 81 | 9.800 | | |
| 91 | 9.335 | | |
| 100 | 9.410 | | |
| 125 | 9.145 | | |
| 151 | 8.660 | | |
| 175 | 8.530 | | |
| 200 | 8.340 | | |
| 225 | 8.590 | | |
| 250 | 7.875 | | |
| 276 | 7.685 | | |
| 300 | 7.310 | | |
| 325 | 7.620 | | |
| 350 | 7.230 | | |
| 376 | 7.435 | | |
| 400 | 6.735 | | |
| 426 | 6.885 | | |
| 450 | 7.145 | | |
| 475 | 6.340 | | |
| 501 | 6.135 | | |

STATION: 486 LAT: 38 22.6 N LON: 124 25.9 W
DATE: 6/22/87 TIME: 2100Z



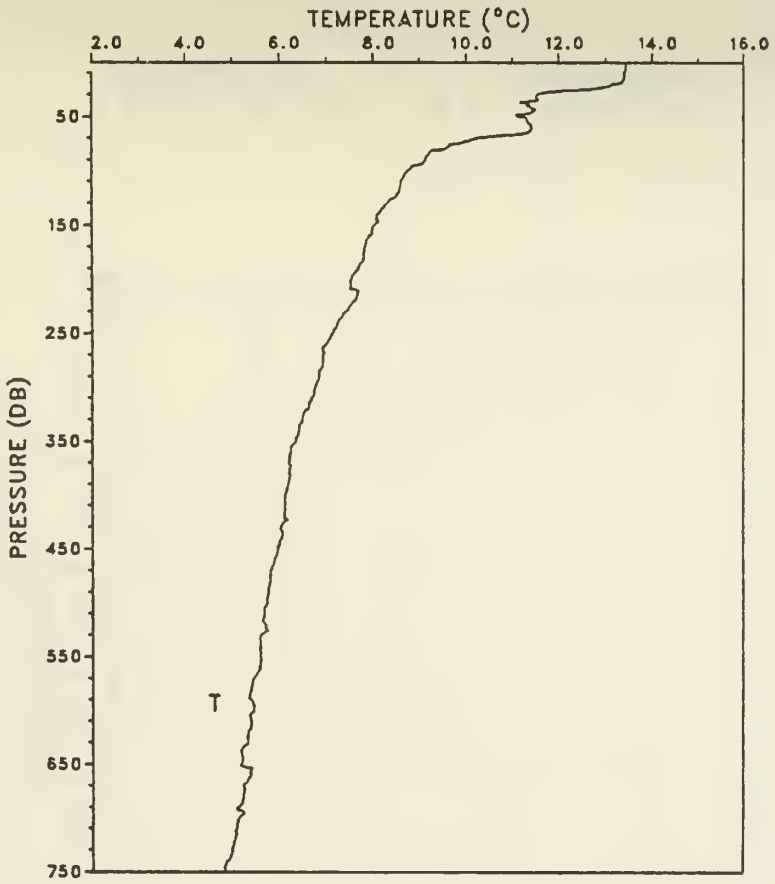

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.390 | 550 | 5.190 |
| 6 | 12.365 | 601 | 4.905 |
| 10 | 12.340 | 650 | 4.830 |
| 16 | 12.350 | 701 | 4.620 |
| 20 | 12.350 | 750 | 4.440 |
| 26 | 12.345 | | |
| 30 | 12.320 | | |
| 36 | 12.085 | | |
| 40 | 11.840 | | |
| 46 | 11.250 | | |
| 50 | 10.455 | | |
| 60 | 9.780 | | |
| 70 | 9.075 | | |
| 81 | 9.145 | | |
| 91 | 8.885 | | |
| 100 | 8.095 | | |
| 125 | 8.450 | | |
| 151 | 7.960 | | |
| 175 | 7.650 | | |
| 200 | 7.350 | | |
| 225 | 7.250 | | |
| 250 | 7.215 | | |
| 276 | 6.980 | | |
| 300 | 6.910 | | |
| 325 | 6.760 | | |
| 350 | 6.560 | | |
| 376 | 6.260 | | |
| 400 | 6.100 | | |
| 426 | 5.800 | | |
| 450 | 5.645 | | |
| 475 | 5.540 | | |
| 501 | 5.265 | | |

STATION: 487 LAT: 38 18.5 N LON: 124 26.9 W
DATE: 6/22/87 TIME: 2148Z



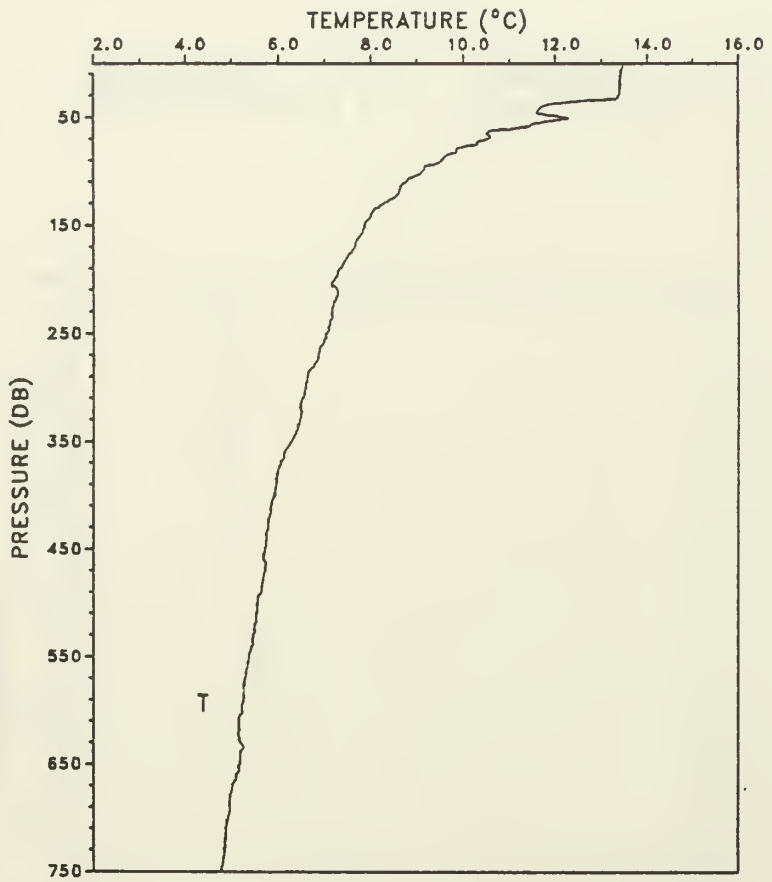

| | PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|---|
| | 1 | 12.840 | 550 | 5.175 |
| | 6 | 12.800 | 601 | 4.995 |
| | 10 | 12.765 | 650 | 4.775 |
| | 16 | 12.760 | 694 | 4.625 |
| | 20 | 12.730 | | |
| | 26 | 12.505 | | |
| | 30 | 10.790 | | |
| | 36 | 10.450 | | |
| | 40 | 10.970 | | |
| | 46 | 11.295 | | |
| | 50 | 11.380 | | |
| | 60 | 10.350 | | |
| | 70 | 9.575 | | |
| | 81 | 9.185 | | |
| | 91 | 9.185 | | |
| | 100 | 8.520 | | |
| | 125 | 7.855 | | |
| | 151 | 7.860 | | |
| | 175 | 7.610 | | |
| | 200 | 7.335 | | |
| | 225 | 6.990 | | |
| | 250 | 6.650 | | |
| | 276 | 6.665 | | |
| | 300 | 6.310 | | |
| | 325 | 6.000 | | |
| • | 350 | 5.951 | | |
| | 376 | 5.795 | | |
| | 400 | 5.860 | | |
| | 426 | 5.670 | | |
| • | 450 | 5.644 | | |
| | 475 | 5.600 | | |
| | 501 | 5.430 | | |

STATION: 488 LAT: 38 13.8 N LON: 124 26.8 W
DATE: 6/22/87 TIME: 2241Z



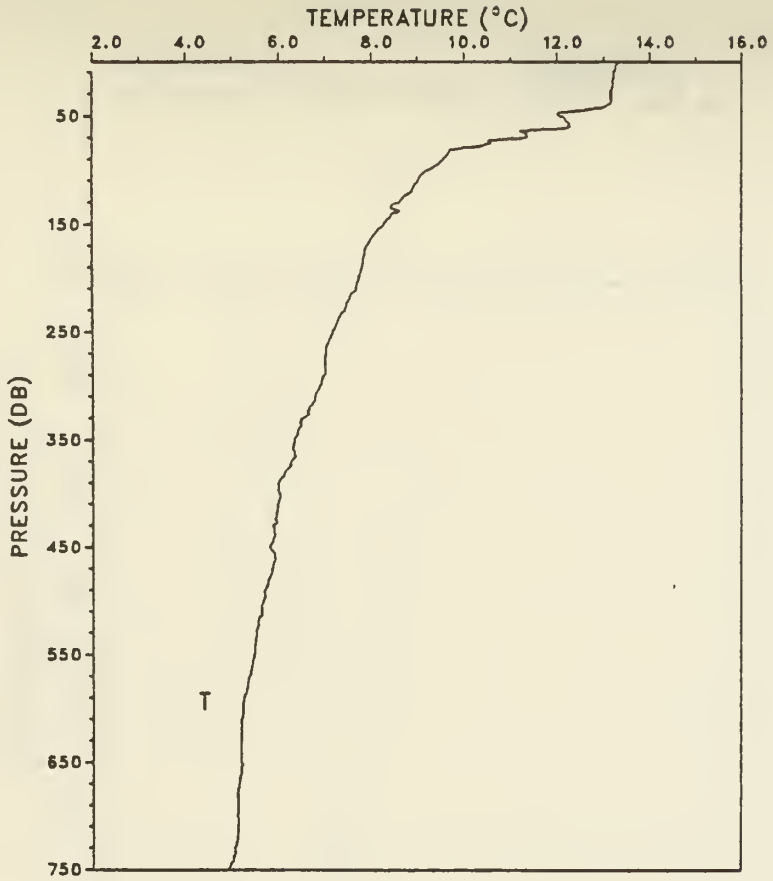

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.440 | 550 | 5.600 |
| 6 | 13.435 | 601 | 5.455 |
| 10 | 13.415 | 650 | 5.180 |
| 16 | 13.400 | 701 | 5.140 |
| 20 | 13.260 | 750 | 4.845 |
| 26 | 12.420 | | |
| 30 | 11.545 | | |
| 36 | 11.520 | | |
| 40 | 11.310 | | |
| 46 | 11.395 | | |
| 50 | 11.130 | | |
| 60 | 11.410 | | |
| 70 | 10.265 | | |
| 81 | 9.505 | | |
| 91 | 9.105 | | |
| 100 | 8.755 | | |
| 125 | 8.465 | | |
| 151 | 8.020 | | |
| 175 | 7.810 | | |
| 200 | 7.545 | | |
| 225 | 7.500 | | |
| 250 | 7.140 | | |
| 276 | 6.935 | | |
| 300 | 6.770 | | |
| 325 | 6.520 | | |
| 350 | 6.370 | | |
| 376 | 6.230 | | |
| 400 | 6.145 | | |
| 426 | 6.095 | | |
| 450 | 5.970 | | |
| 475 | 5.810 | | |
| 501 | 5.740 | | |

STATION: 489 LAT: 38 8.1 N LON: 124 26.0 W
DATE: 6/22/87 TIME: 2341Z



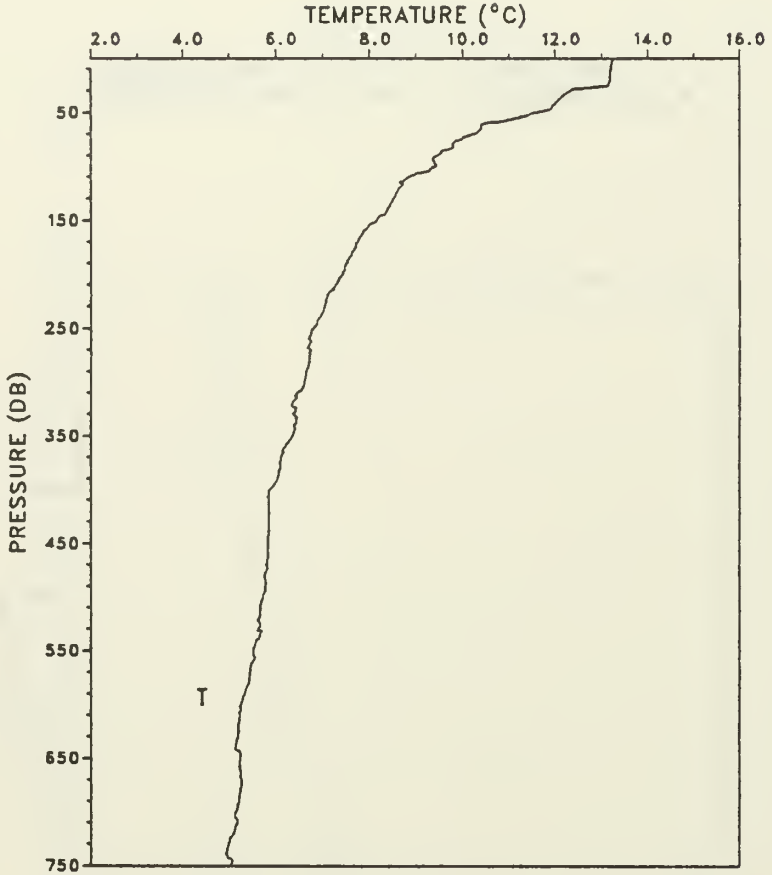

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.475 | 550 | 5.375 |
| 6 | 13.440 | 601 | 5.215 |
| 10 | 13.420 | 650 | 5.165 |
| 16 | 13.410 | 701 | 4.920 |
| 20 | 13.420 | 750 | 4.755 |
| 26 | 13.395 | | |
| 30 | 13.390 | | |
| 36 | 12.495 | | |
| 40 | 11.720 | | |
| 46 | 11.620 | | |
| 50 | 12.160 | | |
| 60 | 11.240 | | |
| 70 | 10.560 | | |
| 81 | 9.845 | | |
| 91 | 9.500 | | |
| 100 | 9.115 | | |
| 125 | 8.495 | | |
| 151 | 7.870 | | |
| 175 | 7.580 | | |
| 200 | 7.215 | | |
| 225 | 7.180 | | |
| 250 | 7.035 | | |
| 276 | 6.825 | | |
| 300 | 6.600 | | |
| 325 | 6.480 | | |
| 350 | 6.280 | | |
| 376 | 6.010 | | |
| 400 | 5.930 | | |
| 426 | 5.790 | | |
| 450 | 5.720 | | |
| 475 | 5.690 | | |
| 501 | 5.545 | | |

STATION: 490 LAT: 38 3.8 N LON: 124 26.1 W
DATE: 6/23/87 TIME: 0030Z



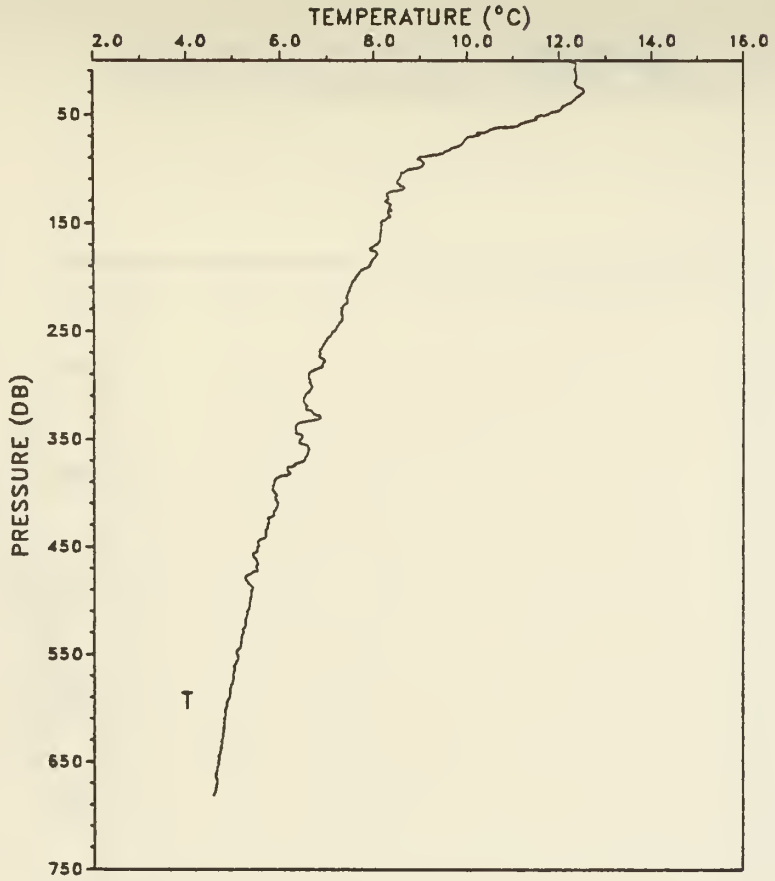

| | PRESS | TEMP | | PRESS | TEMP |
|---|---|---|---|---|---|
| | 1 | 13.350 | | 550 | 5.475 |
| | 6 | 13.260 | • | 601 | 5.240 |
| | 10 | 13.235 | | 650 | 5.205 |
| | 16 | 13.220 | | 701 | 5.130 |
| | 20 | 13.220 | | 750 | 4.950 |
| | 26 | 13.180 | | | |
| | 30 | 13.170 | | | |
| | 36 | 13.180 | | | |
| | 40 | 13.100 | | | |
| | 46 | 12.215 | | | |
| | 50 | 12.070 | | | |
| | 60 | 12.290 | | | |
| | 70 | 11.325 | | | |
| | 81 | 9.825 | | | |
| • | 91 | 9.537 | | | |
| | 100 | 9.255 | | | |
| | 125 | 8.700 | | | |
| | 151 | 8.280 | | | |
| | 175 | 7.880 | | | |
| • | 200 | 7.749 | | | |
| | 225 | 7.490 | | | |
| • | 250 | 7.187 | | | |
| • | 276 | 7.024 | | | |
| | 300 | 6.900 | | | |
| | 325 | 6.640 | | | |
| | 350 | 6.350 | | | |
| | 376 | 6.255 | | | |
| | 400 | 6.035 | | | |
| | 426 | 5.975 | | | |
| | 450 | 5.820 | | | |
| | 475 | 5.850 | | | |
| | 501 | 5.665 | | | |

STATION: 491 LAT: 37 58.5 N LON: 124 26.3 W
DATE: 6/23/87 TIME: 0136Z



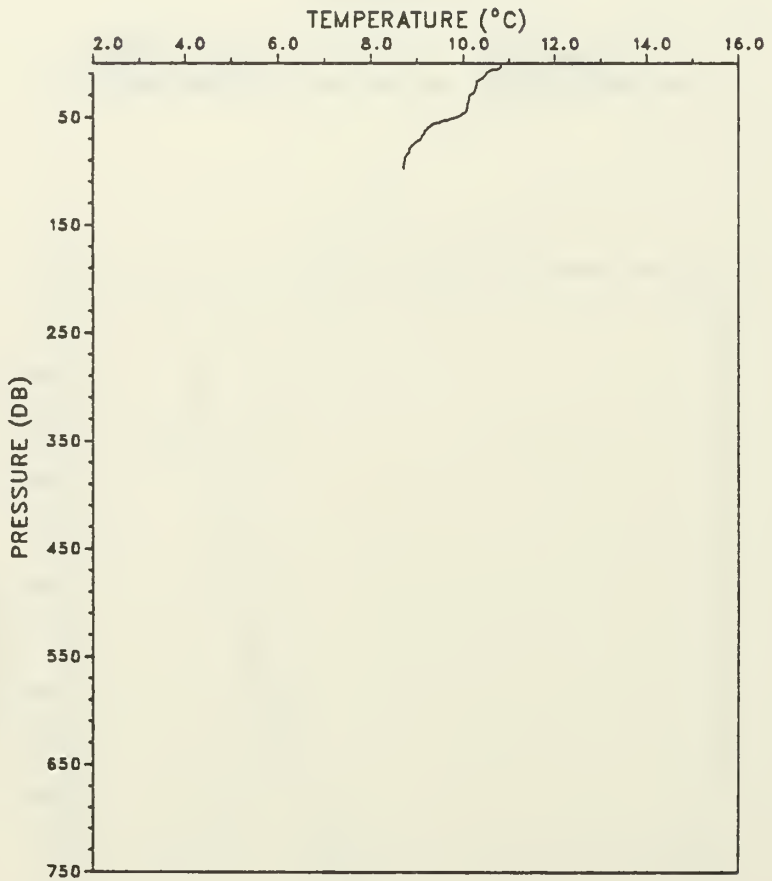

| | PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|---|
| | 1 | 13.225 | 550 | 5.530 |
| | 6 | 13.220 | 601 | 5.250 |
| | 10 | 13.205 | 650 | 5.230 |
| | 16 | 13.190 | 701 | 5.140 |
| | 20 | 13.200 | 750 | 5.030 |
| | 26 | 13.105 | | |
| | 30 | 12.350 | | |
| • | 36 | 12.137 | | |
| • | 40 | 12.043 | | |
| • | 46 | 11.902 | | |
| | 50 | 11.635 | | |
| | 60 | 10.590 | | |
| | 70 | 10.260 | | |
| | 81 | 9.800 | | |
| | 91 | 9.410 | | |
| | 100 | 9.440 | | |
| | 125 | 8.565 | | |
| | 151 | 8.160 | | |
| | 175 | 7.700 | | |
| | 200 | 7.425 | | |
| | 225 | 7.070 | | |
| | 250 | 6.795 | | |
| | 276 | 6.710 | | |
| | 300 | 6.610 | | |
| | 325 | 6.420 | | |
| | 350 | 6.350 | | |
| | 376 | 6.095 | | |
| | 400 | 5.875 | | |
| • | 426 | 5.848 | | |
| • | 450 | 5.843 | | |
| | 475 | 5.800 | | |
| | 501 | 5.720 | | |

STATION: 492 LAT: 38 3.9 N LON: 124 28.9 W
DATE: 6/23/87 TIME: 0323Z



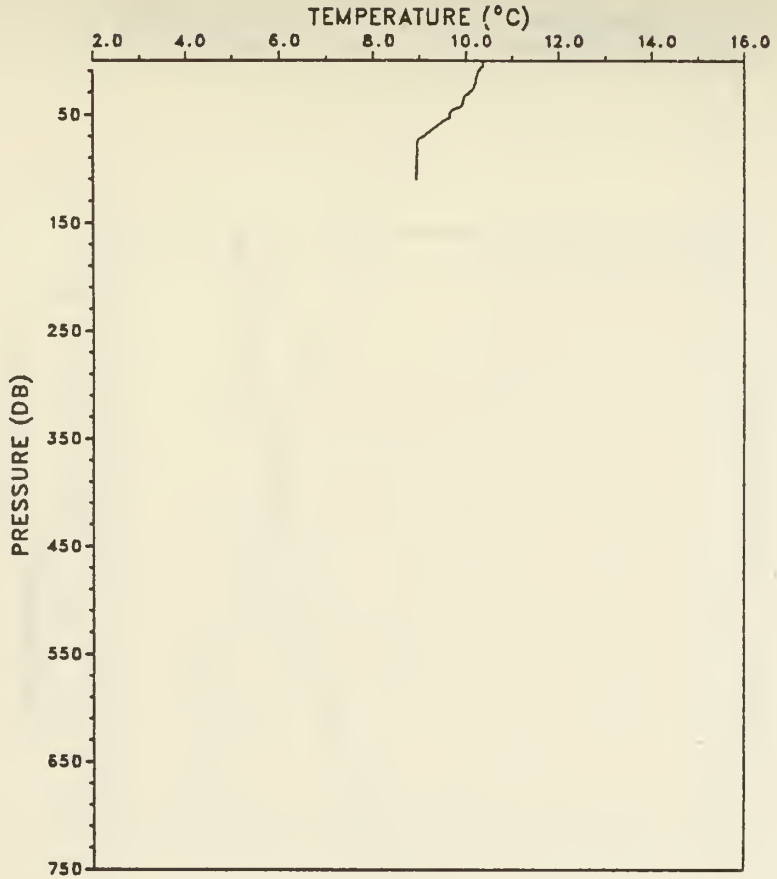

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.335 | 550 | 5.080 |
| 6 | 12.355 | 601 | 4.835 |
| 10 | 12.350 | 650 | 4.685 |
| 16 | 12.370 | 682 | 4.575 |
| 20 | 12.340 | | |
| 26 | 12.480 | | |
| 30 | 12.525 | | |
| 36 | 12.360 | | |
| 40 | 12.240 | | |
| 46 | 12.020 | | |
| 50 | 11.770 | | |
| 60 | 11.140 | | |
| 70 | 10.230 | | |
| 81 | 9.735 | | |
| 91 | 8.935 | | |
| 100 | 8.940 | | |
| 125 | 8.270 | | |
| 151 | 8.170 | | |
| 175 | 7.930 | | |
| 200 | 7.615 | | |
| 225 | 7.380 | | |
| 250 | 7.160 | | |
| 276 | 6.905 | | |
| 300 | 6.640 | | |
| 325 | 6.670 | | |
| 350 | 6.430 | | |
| 376 | 6.255 | | |
| 400 | 5.870 | | |
| 426 | 5.755 | | |
| 450 | 5.525 | | |
| 475 | 5.370 | | |
| 501 | 5.360 | | |

STATION: 493 LAT: 38 26.8 N LON: 124 46.6 W
DATE: 6/23/87 TIME: 1448Z



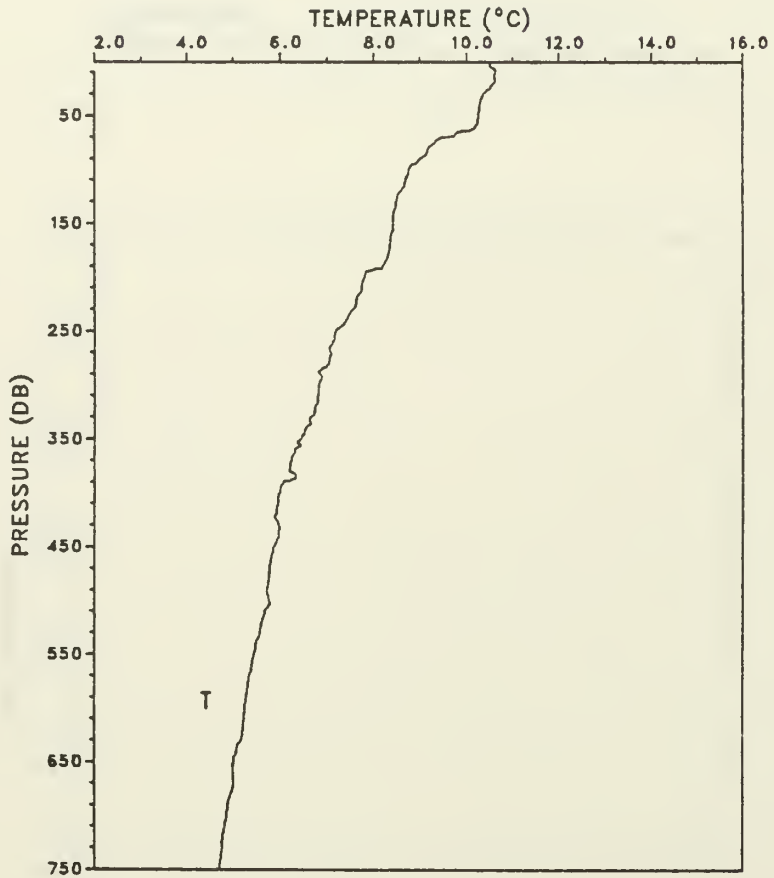

| PRESS | TEMP |
|---|---|
| 1 | 10.840 |
| 6 | 10.735 |
| 10 | 10.500 |
| 16 | 10.360 |
| 20 | 10.290 |
| 26 | 10.260 |
| 30 | 10.135 |
| 36 | 10.105 |
| 40 | 10.090 |
| 46 | 10.015 |
| 50 | 9.860 |
| 60 | 9.240 |
| 70 | 9.085 |
| 81 | 8.830 |
| 91 | 8.720 |
| 98 | 8.720 |

STATION: 494 LAT: 37 57.1 N LON: 123 9.7 W
DATE: 6/25/87 TIME: 0836Z



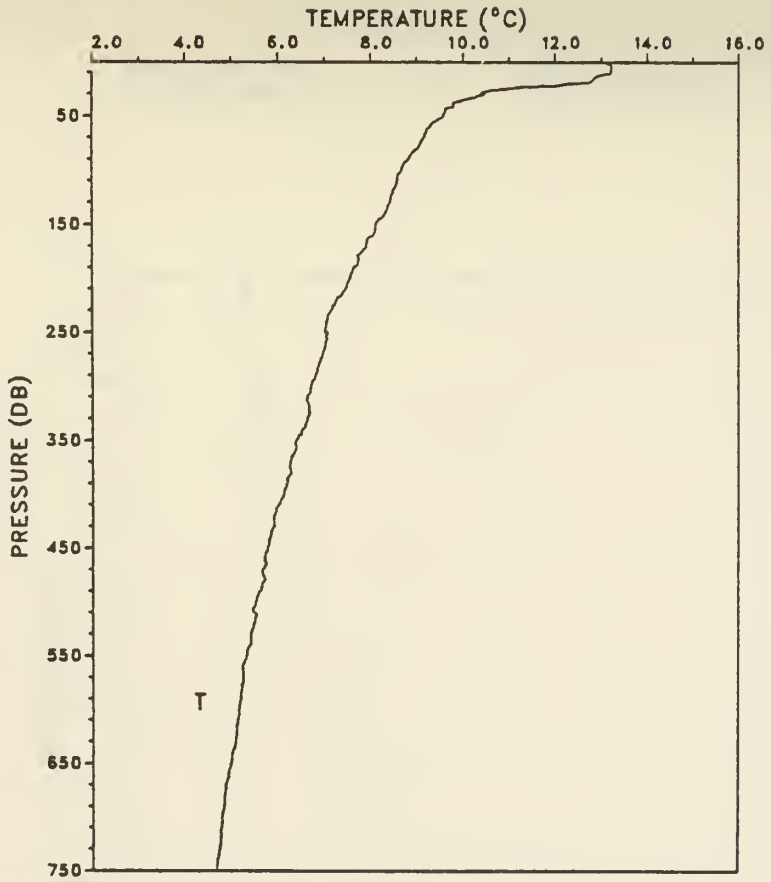

| PRESS | TEMP |
|---|---|
| 1 | 10.415 |
| 6 | 10.375 |
| 10 | 10.270 |
| 16 | 10.235 |
| 20 | 10.210 |
| 26 | 10.165 |
| 30 | 10.075 |
| 36 | 9.955 |
| 40 | 9.930 |
| 46 | 9.675 |
| 50 | 9.660 |
| 60 | 9.390 |
| 70 | 9.105 |
| 81 | 8.955 |
| 91 | 8.945 |
| 100 | 8.940 |
| 110 | 8.930 |

STATION: 495 LAT: 37 56.1 N LON: 123 20.8 W
DATE: 6/25/87 TIME: 0930Z



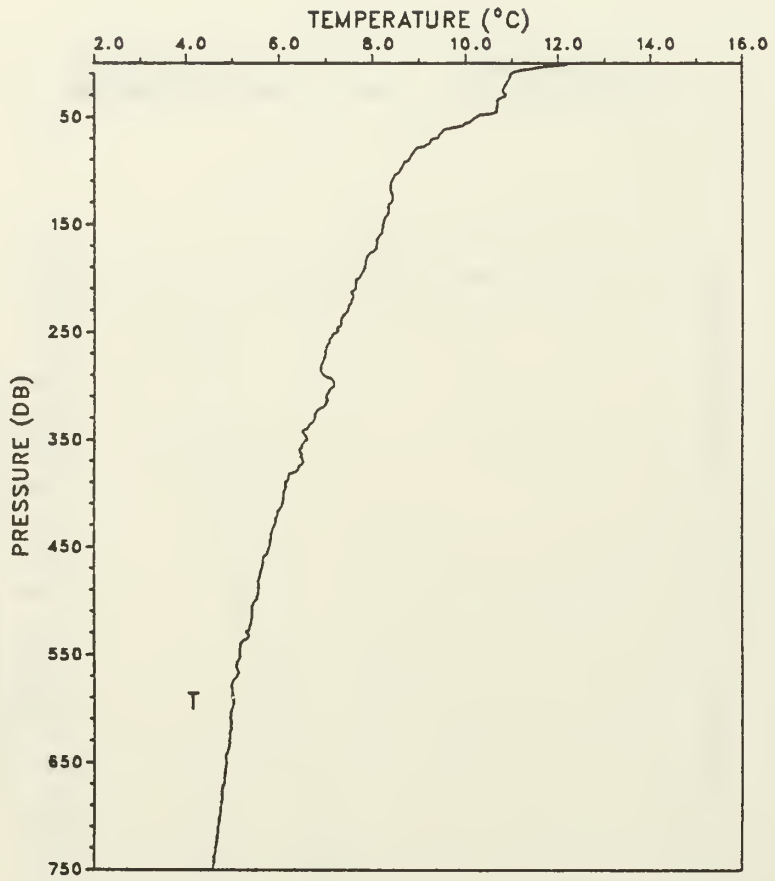

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 10.520 | 550 | 5.460 |
| 6 | 10.575 | 601 | 5.250 |
| 10 | 10.620 | 650 | 5.005 |
| 16 | 10.625 | 701 | 4.850 |
| 20 | 10.580 | 750 | 4.700 |
| 26 | 10.475 | | |
| 30 | 10.365 | | |
| 36 | 10.315 | | |
| 40 | 10.280 | | |
| 46 | 10.270 | | |
| 50 | 10.260 | | |
| 60 | 10.200 | | |
| 70 | 9.625 | | |
| 81 | 9.165 | | |
| 91 | 8.975 | | |
| 100 | 8.760 | | |
| 125 | 8.515 | | |
| 151 | 8.420 | | |
| 175 | 8.340 | | |
| 200 | 7.795 | | |
| 225 | 7.620 | | |
| 250 | 7.190 | | |
| 276 | 7.060 | | |
| 300 | 6.820 | | |
| 325 | 6.740 | | |
| 350 | 6.450 | | |
| 376 | 6.210 | | |
| 400 | 5.990 | | |
| 426 | 5.930 | | |
| 450 | 5.870 | | |
| 475 | 5.780 | | |
| 501 | 5.775 | | |

STATION: 496 LAT: 37 55.7 N LON: 123 30.6 W
DATE: 6/25/87 TIME: 1018Z



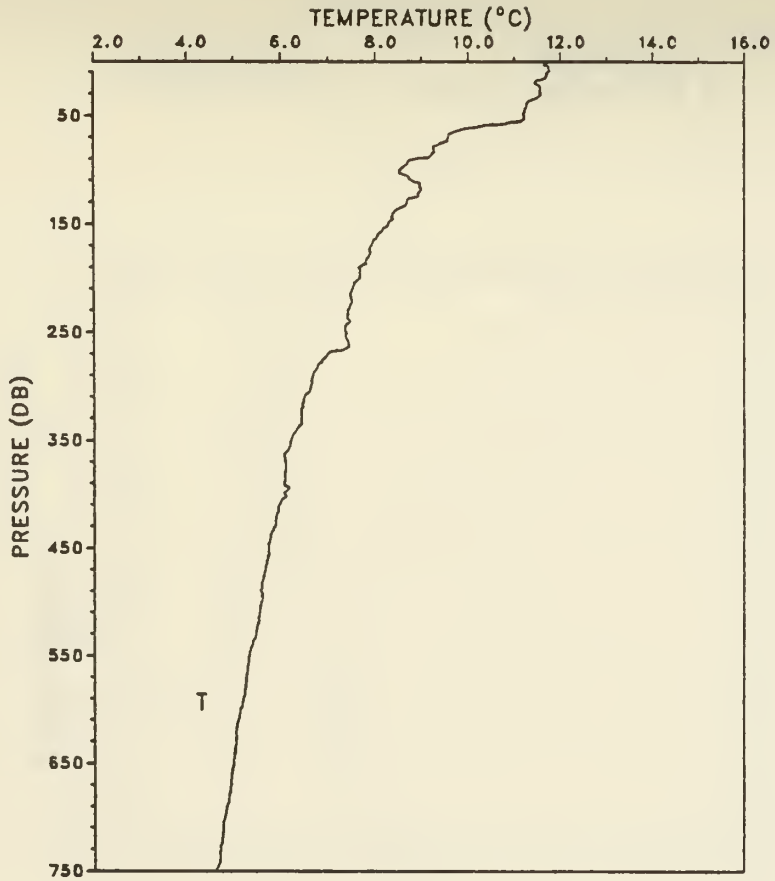

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.195 | 550 | 5.320 |
| 6 | 13.215 | 601 | 5.155 |
| 10 | 13.210 | 650 | 4.990 |
| 16 | 12.835 | 701 | 4.795 |
| 20 | 12.520 | 750 | 4.695 |
| 26 | 10.800 | | |
| 30 | 10.480 | | |
| 36 | 10.020 | | |
| 40 | 9.800 | | |
| 46 | 9.605 | | |
| 50 | 9.585 | | |
| 60 | 9.300 | | |
| 70 | 9.160 | | |
| 81 | 9.005 | | |
| 91 | 8.805 | | |
| 100 | 8.675 | | |
| 125 | 8.450 | | |
| 151 | 8.110 | | |
| 175 | 7.830 | | |
| 200 | 7.565 | | |
| 225 | 7.210 | | |
| 250 | 7.035 | | |
| 276 | 6.930 | | |
| 300 | 6.730 | | |
| 325 | 6.680 | | |
| 350 | 6.400 | | |
| 376 | 6.280 | | |
| 400 | 6.145 | | |
| 426 | 5.920 | | |
| 450 | 5.790 | | |
| 475 | 5.690 | | |
| 501 | 5.530 | | |

STATION: 497 LAT: 37 55.2 N LON: 123 40.6 W
DATE: 6/25/87 TIME: 1106Z



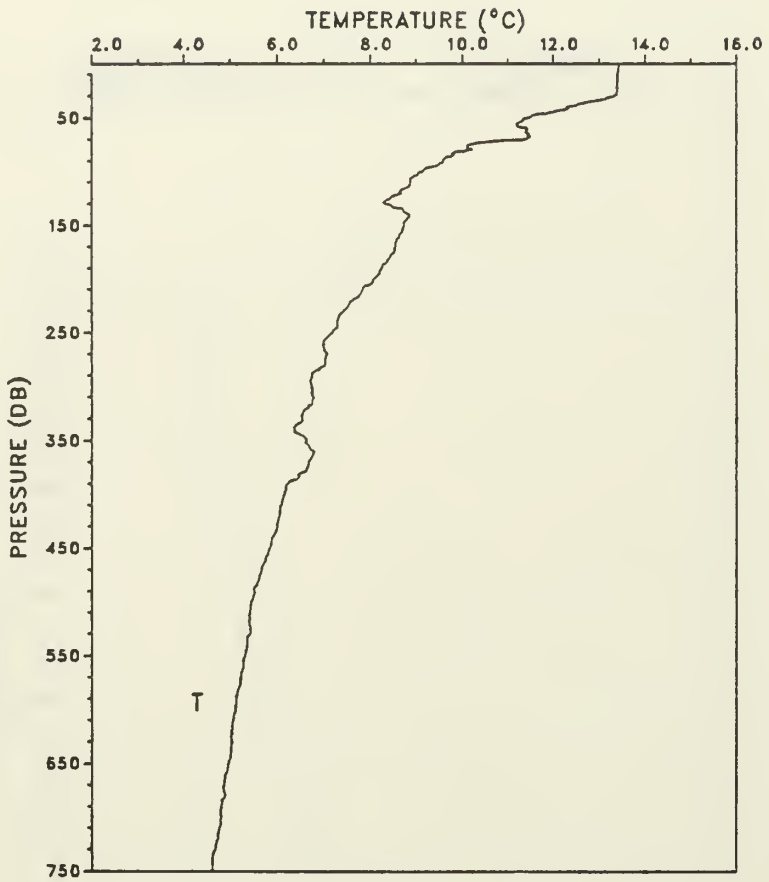

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.205 | 550 | 5.150 |
| 6 | 11.370 | 601 | 4.980 |
| 10 | 10.990 | 650 | 4.865 |
| 16 | 10.925 | 701 | 4.725 |
| 20 | 10.870 | 750 | 4.575 |
| 26 | 10.800 | | |
| 30 | 10.855 | | |
| 36 | 10.685 | | |
| 40 | 10.690 | | |
| 46 | 10.630 | | |
| 50 | 10.250 | | |
| 60 | 9.780 | | |
| 70 | 9.400 | | |
| 81 | 8.910 | | |
| 91 | 8.750 | | |
| 100 | 8.580 | | |
| 125 | 8.425 | | |
| 151 | 8.220 | | |
| 175 | 8.020 | | |
| 200 | 7.700 | | |
| 225 | 7.490 | | |
| 250 | 7.225 | | |
| 276 | 6.950 | | |
| 300 | 7.150 | | |
| 325 | 6.790 | | |
| 350 | 6.620 | | |
| 376 | 6.425 | | |
| 400 | 6.110 | | |
| 426 | 5.935 | | |
| 450 | 5.805 | | |
| 475 | 5.600 | | |
| 501 | 5.470 | | |

STATION: 498 LAT: 37 54.7 N LON: 123 50.9 W
DATE: 6/25/87 TIME: 1153Z



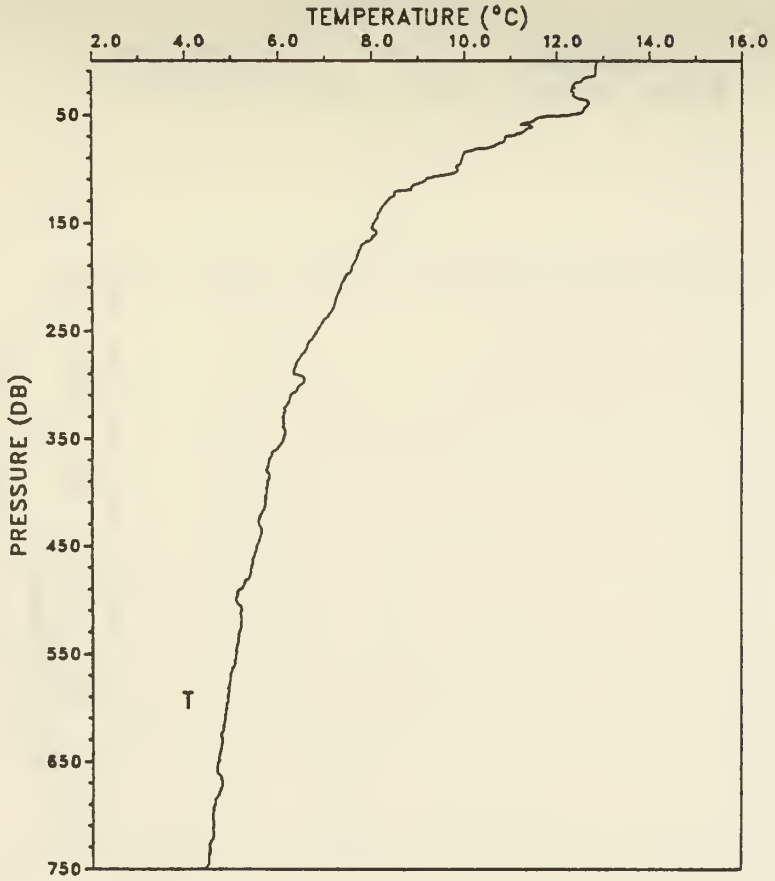

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 11.795 | 550 | 5.320 |
| 6 | 11.745 | 601 | 5.140 |
| 10 | 11.745 | 650 | 4.995 |
| 16 | 11.685 | 701 | 4.800 |
| 20 | 11.440 | 750 | 4.620 |
| 26 | 11.565 | | |
| 30 | 11.590 | | |
| 36 | 11.400 | | |
| 40 | 11.270 | | |
| 46 | 11.235 | | |
| 50 | 11.225 | | |
| 60 | 10.310 | | |
| 70 | 9.570 | | |
| 81 | 9.270 | | |
| 91 | 8.750 | | |
| 100 | 8.550 | | |
| 125 | 8.910 | | |
| 151 | 8.270 | | |
| 175 | 7.900 | | |
| 200 | 7.680 | | |
| 225 | 7.480 | | |
| 250 | 7.390 | | |
| 276 | 6.875 | | |
| 300 | 6.640 | | |
| 325 | 6.450 | | |
| 350 | 6.220 | | |
| 376 | 6.115 | | |
| 400 | 6.085 | | |
| 426 | 5.890 | | |
| 450 | 5.755 | | |
| 475 | 5.640 | | |
| 501 | 5.585 | | |

STATION: 499 LAT: 37 54.0 N LON: 124 1.0 W
DATE: 6/25/87 TIME: 1241Z



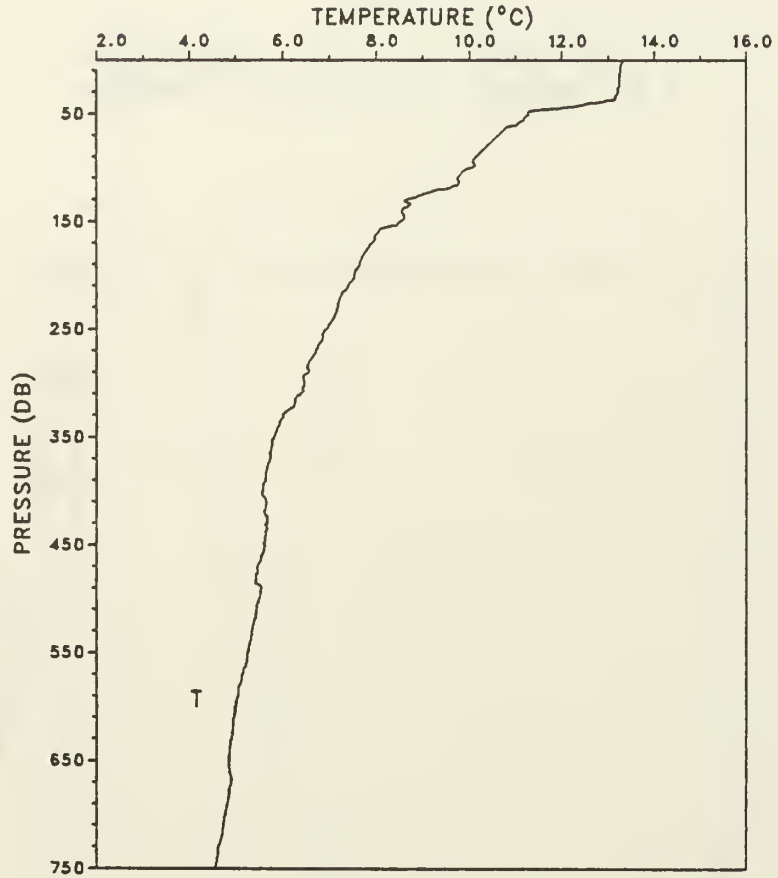

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.440 | 550 | 5.325 |
| 6 | 13.420 | 601 | 5.120 |
| 10 | 13.410 | 650 | 4.955 |
| 16 | 13.410 | 701 | 4.800 |
| 20 | 13.410 | 750 | 4.615 |
| 26 | 13.400 | | |
| 30 | 13.355 | | |
| 36 | 12.825 | | |
| 40 | 12.380 | | |
| 46 | 11.835 | | |
| 50 | 11.495 | | |
| 60 | 11.430 | | |
| 70 | 11.415 | | |
| 81 | 10.070 | | |
| 91 | 9.575 | | |
| 100 | 9.140 | | |
| 125 | 8.430 | | |
| 151 | 8.730 | | |
| 175 | 8.520 | | |
| 200 | 8.090 | | |
| 225 | 7.530 | | |
| 250 | 7.190 | | |
| 276 | 7.030 | | |
| 300 | 6.750 | | |
| 325 | 6.560 | | |
| 350 | 6.640 | | |
| 376 | 6.650 | | |
| 400 | 6.160 | | |
| 426 | 6.030 | | |
| 450 | 5.845 | | |
| 475 | 5.640 | | |
| 501 | 5.455 | | |

STATION: 500 LAT: 37 53.4 N LON: 124 9.6 W
DATE: 6/25/87 TIME: 1323Z



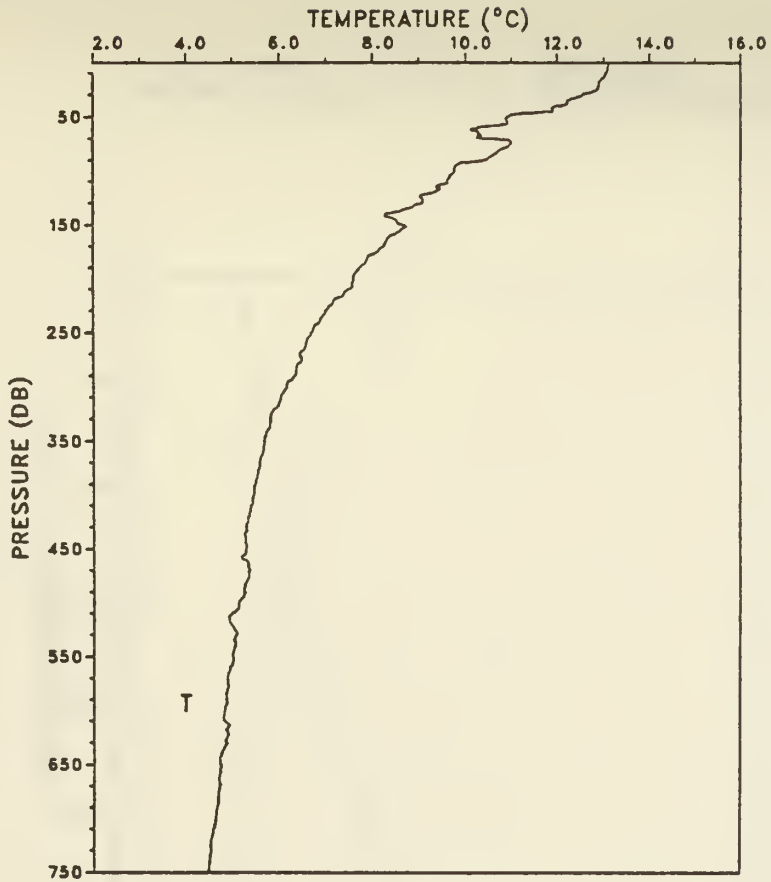

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.860 | 550 | 5.105 |
| 6 | 12.840 | 601 | 4.885 |
| 10 | 12.830 | 650 | 4.715 |
| 16 | 12.640 | 701 | 4.595 |
| 20 | 12.480 | 750 | 4.480 |
| 26 | 12.325 | | |
| 30 | 12.375 | | |
| 36 | 12.510 | | |
| 40 | 12.690 | | |
| 46 | 12.560 | | |
| 50 | 12.310 | | |
| 60 | 11.430 | | |
| 70 | 10.935 | | |
| 81 | 10.485 | | |
| 91 | 9.952 | | |
| 100 | 9.870 | | |
| 125 | 8.470 | | |
| 151 | 8.040 | | |
| 175 | 7.740 | | |
| 200 | 7.445 | | |
| 225 | 7.210 | | |
| 250 | 6.830 | | |
| 276 | 6.455 | | |
| 300 | 6.490 | | |
| 325 | 6.150 | | |
| 350 | 6.110 | | |
| 376 | 5.785 | | |
| 400 | 5.760 | | |
| 426 | 5.590 | | |
| 450 | 5.545 | | |
| 475 | 5.430 | | |
| 501 | 5.120 | | |

STATION: 501 LAT: 37 52.5 N LON: 124 19.6 W
DATE: 6/25/87 TIME: 1418Z



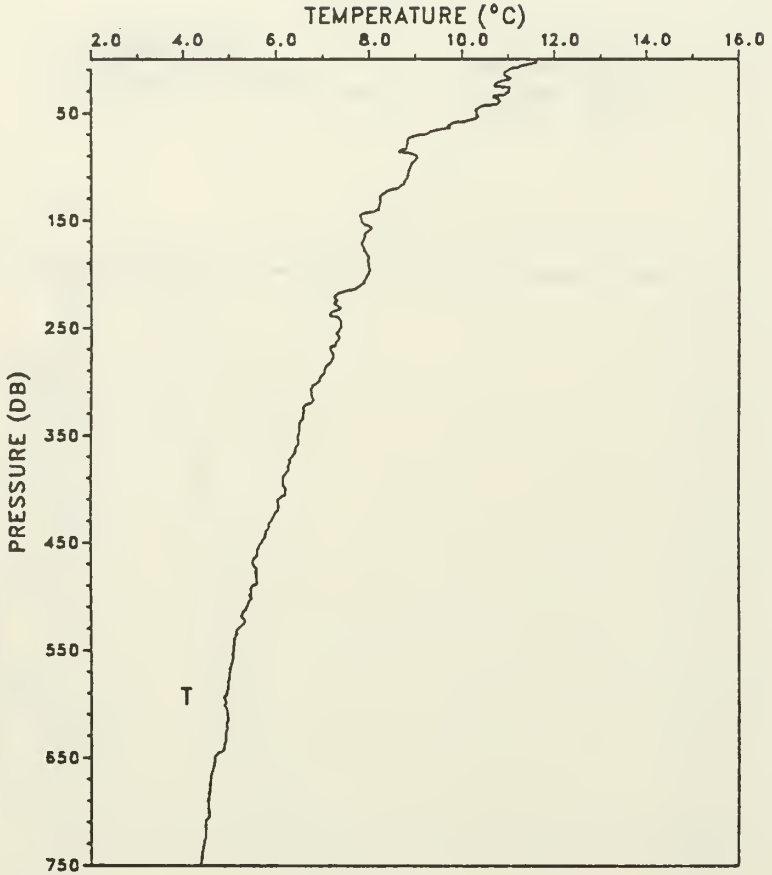

| | PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|---|
| | 1 | 13.305 | 550 | 5.260 |
| | 6 | 13.280 | 601 | 4.985 |
| | 10 | 13.260 | 650 | 4.855 |
| | 16 | 13.255 | 701 | 4.775 |
| | 20 | 13.250 | 750 | 4.570 |
| | 26 | 13.215 | | |
| | 30 | 13.215 | | |
| | 36 | 13.155 | | |
| | 40 | 12.750 | | |
| | 46 | 11.545 | | |
| | 50 | 11.280 | | |
| | 60 | 11.050 | | |
| * | 70 | 10.628 | | |
| * | 81 | 10.364 | | |
| * | 91 | 10.124 | | |
| | 100 | 10.065 | | |
| | 125 | 8.995 | | |
| | 151 | 8.500 | | |
| | 175 | 7.810 | | |
| | 200 | 7.530 | | |
| | 225 | 7.200 | | |
| | 250 | 6.930 | | |
| | 276 | 6.645 | | |
| | 300 | 6.470 | | |
| | 325 | 6.130 | | |
| | 350 | 5.820 | | |
| | 376 | 5.695 | | |
| | 400 | 5.580 | | |
| | 426 | 5.665 | | |
| | 450 | 5.625 | | |
| | 475 | 5.480 | | |
| | 501 | 5.500 | | |

STATION: 502 LAT: 37 52.3 N LON: 124 29.6 W
DATE: 6/25/87 TIME: 1511Z



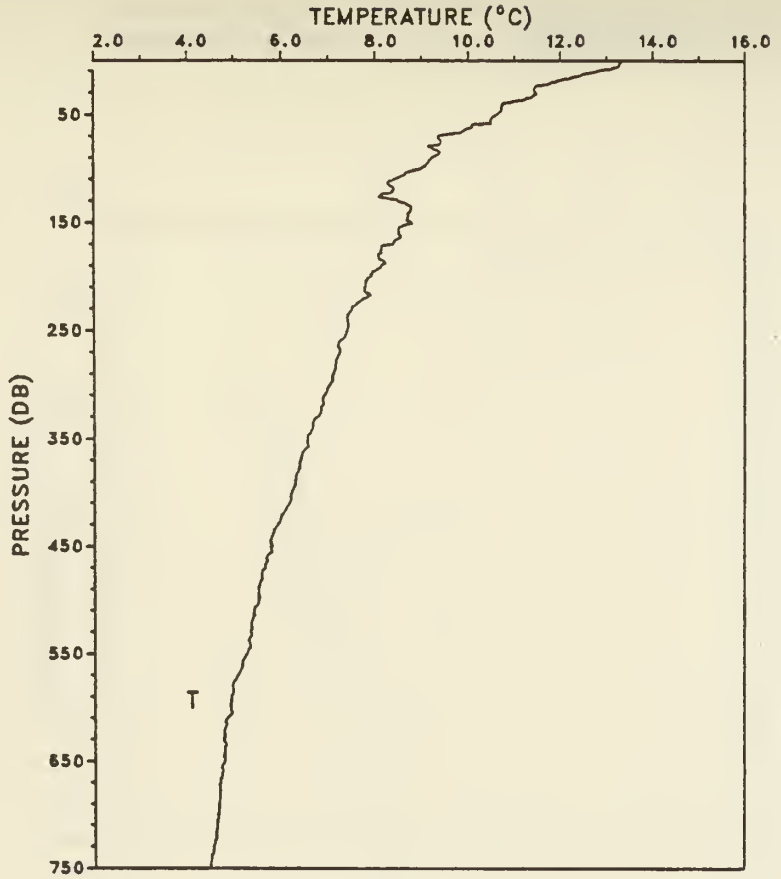

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.125 | 550 | 5.005 |
| 6 | 13.100 | 601 | 4.830 |
| 10 | 13.065 | 650 | 4.755 |
| 16 | 12.965 | 701 | 4.635 |
| 20 | 12.910 | 750 | 4.490 |
| 26 | 12.840 | | |
| 30 | 12.555 | | |
| 36 | 12.215 | | |
| 40 | 12.120 | | |
| 46 | 11.495 | | |
| 50 | 10.925 | | |
| 60 | 10.320 | | |
| 70 | 10.370 | | |
| 81 | 10.745 | | |
| 91 | 10.300 | | |
| 100 | 9.785 | | |
| 125 | 9.055 | | |
| 151 | 8.710 | | |
| 175 | 8.110 | | |
| 200 | 7.595 | | |
| 225 | 7.120 | | |
| 250 | 6.710 | | |
| 276 | 6.505 | | |
| 300 | 6.190 | | |
| 325 | 5.850 | | |
| 350 | 5.710 | | |
| 376 | 5.585 | | |
| 400 | 5.465 | | |
| 426 | 5.315 | | |
| 450 | 5.310 | | |
| 475 | 5.350 | | |
| 501 | 5.140 | | |

STATION: 503 LAT: 37 50.3 N LON: 124 38.1 W
DATE: 6/25/87 TIME: 1606Z



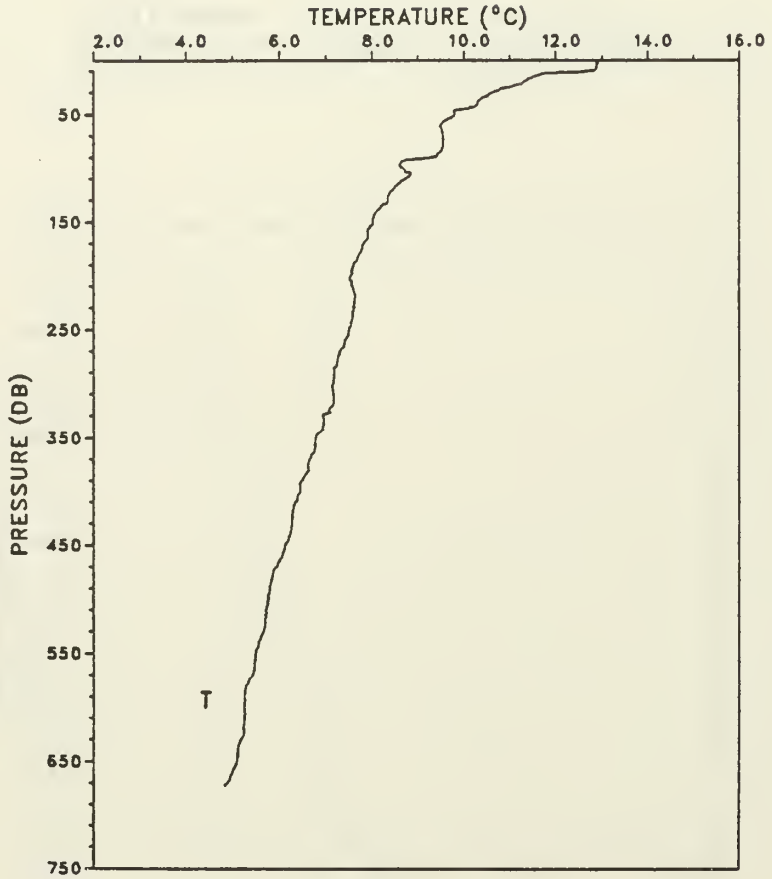

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 11.655 | 550 | 5.090 |
| 6 | 11.365 | 601 | 4.900 |
| 10 | 11.030 | 650 | 4.685 |
| 16 | 10.950 | 701 | 4.550 |
| 20 | 10.930 | 750 | 4.385 |
| 26 | 10.845 | | |
| 30 | 11.010 | | |
| 36 | 10.700 | | |
| 40 | 10.800 | | |
| 46 | 10.330 | | |
| 50 | 10.310 | | |
| 60 | 9.790 | | |
| 70 | 9.210 | | |
| 81 | 8.805 | | |
| 91 | 9.035 | | |
| 100 | 8.885 | | |
| 125 | 8.330 | | |
| 151 | 7.840 | | |
| 175 | 7.870 | | |
| 200 | 7.975 | | |
| 225 | 7.320 | | |
| 250 | 7.380 | | |
| 276 | 7.220 | | |
| 300 | 6.910 | | |
| 325 | 6.590 | | |
| 350 | 6.470 | | |
| 376 | 6.300 | | |
| 400 | 6.225 | | |
| 426 | 5.950 | | |
| 450 | 5.695 | | |
| 475 | 5.590 | | |
| 501 | 5.480 | | |

STATION: 906 LAT: 38 23.1 N LON: 124 15.4 W
DATE: 6/26/87 TIME: 1823Z



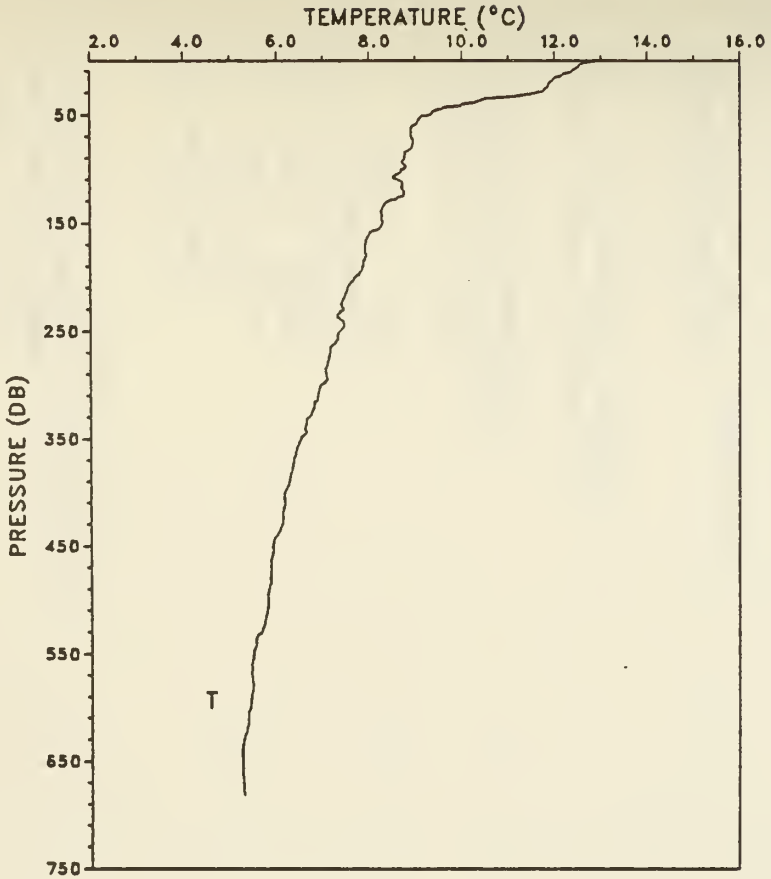

| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 13.330 | 550 | 5.265 |
| 6 | 13.265 | 601 | 4.930 |
| 10 | 12.830 | 650 | 4.805 |
| 16 | 12.280 | 701 | 4.650 |
| 20 | 11.900 | 750 | 4.475 |
| 26 | 11.425 | | |
| 30 | 11.465 | | |
| 36 | 11.255 | | |
| 40 | 10.770 | | |
| 46 | 10.725 | | |
| 50 | 10.625 | | |
| 60 | 10.100 | | |
| 70 | 9.370 | | |
| 81 | 9.240 | | |
| 91 | 9.200 | | |
| 100 | 8.990 | | |
| 125 | 8.095 | | |
| 151 | 8.800 | | |
| 175 | 8.130 | | |
| 200 | 7.915 | | |
| 225 | 7.610 | | |
| 250 | 7.410 | | |
| 276 | 7.200 | | |
| 300 | 7.050 | | |
| 325 | 6.850 | | |
| 350 | 6.570 | | |
| 376 | 6.390 | | |
| 400 | 6.225 | | |
| 426 | 5.995 | | |
| 450 | 5.800 | | |
| 475 | 5.590 | | |
| 501 | 5.520 | | |

STATION: 907 LAT: 38 22.9 N LON: 124 14.8 W
DATE: 6/26/87 TIME: 1830Z




| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.930 | 550 | 5.500 |
| 6 | 12.880 | 601 | 5.255 |
| 10 | 12.835 | 650 | 5.100 |
| 16 | 11.510 | 673 | 4.845 |
| 20 | 11.310 | | |
| 26 | 10.905 | | |
| 30 | 10.660 | | |
| 36 | 10.385 | | |
| 40 | 10.290 | | |
| 46 | 9.815 | | |
| 50 | 9.805 | | |
| 60 | 9.490 | | |
| 70 | 9.545 | | |
| 81 | 9.545 | | |
| 91 | 9.150 | | |
| 100 | 8.675 | | |
| 125 | 8.365 | | |
| 151 | 8.020 | | |
| 175 | 7.790 | | |
| 200 | 7.540 | | |
| 225 | 7.630 | | |
| 250 | 7.515 | | |
| 276 | 7.275 | | |
| 300 | 7.160 | | |
| 325 | 7.070 | | |
| 350 | 6.780 | | |
| 376 | 6.625 | | |
| 400 | 6.450 | | |
| 426 | 6.280 | | |
| 450 | 6.125 | | |
| 475 | 5.870 | | |
| 501 | 5.760 | | |

STATION: 908 LAT: 39 3.1 N LON: 124 3.3 W
DATE: 6/27/87 TIME: 2306Z




| PRESS | TEMP | PRESS | TEMP |
|---|---|---|---|
| 1 | 12.905 | 550 | 5.500 |
| 6 | 12.525 | 601 | 5.410 |
| 10 | 12.370 | 650 | 5.250 |
| 16 | 12.030 | 682 | 5.280 |
| 20 | 11.900 | | |
| 26 | 11.795 | | |
| 30 | 11.640 | | |
| 36 | 10.505 | | |
| 40 | 10.140 | | |
| 46 | 9.425 | | |
| 50 | 9.340 | | |
| 60 | 8.970 | | |
| 70 | 8.905 | | |
| 81 | 8.920 | | |
| 91 | 8.750 | | |
| 100 | 8.765 | | |
| 125 | 8.730 | | |
| 151 | 8.290 | | |
| 175 | 7.910 | | |
| 200 | 7.690 | | |
| 225 | 7.400 | | |
| 250 | 7.370 | | |
| 276 | 7.135 | | |
| 300 | 6.950 | | |
| 325 | 6.760 | | |
| 350 | 6.520 | | |
| 376 | 6.345 | | |
| 400 | 6.170 | | |
| 426 | 6.135 | | |
| 450 | 5.910 | | |
| 475 | 5.870 | | |
| 501 | 5.800 | | |

STATION: 909 LAT: 38 57.0 N LON: 124 2.9 W
DATE: 6/27/87 TIME: 2353Z

## REFERENCES

Lewis, E. L. and R. G. Perkin, 1981. The Practical Salinity Scale 1978: conversion of existing data. **Deep Sea Res., 28A**, 307-328.

UNESCO, 1987. International Oceanographic Tables, Vol. 4, National Institute of Oceanography of Great Britain; and UNESCO, Paris.

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